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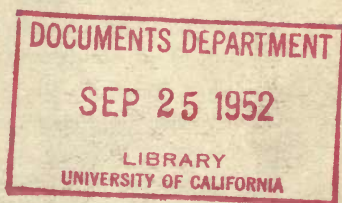
[*U.S. Coast & Geodetic Survey*]

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FIELD CATALOGUE

OF

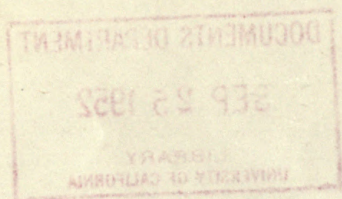
983 TRANSIT STARS.



MEAN PLACES FOR 1870.0

[*by G. Davidson*]

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1874.



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SAN FRANCISCO, CAL., *April 15, 1874.*

This "Field Catalogue of Transit Stars" is the necessary result of the demands for a greater number of time-stars in the Coast-Survey work of geographical reconnaissance than was afforded by the English Nautical Almanac when that class of work was inaugurated. Although the number of available stars in the Almanac was subsequently increased, and still more so in the American Ephemeris, yet the intervals between the stars were too great and irregular for the rapid but accurate work required.*

In the earlier operations of this character, the best stars of the B. A. C., and in the later, the best of the Greenwich and other Catalogues were combined with those of the Nautical Almanac for the determination of the chronometer-correction.

The time consumed in forming good working-lists from the various authorities constrained me to compile a field-list or catalogue which should embrace all the standard stars of the American Ephemeris, English Nautical Almanac, and the *Connaissance des Temps*, with other stars from original catalogues, so that they should succeed each other at intervals not exceeding five minutes; while numerous circumpolar stars were introduced throughout the twenty-four hours.—(*Superintendent's Annual Report for 1868.*) In that year I obtained a manuscript copy of Professor Winlock's yet more extended time-star list, noticed in the same report, (p. 6.)

In 1869 these two lists were combined, many other well-determined stars have been added, and the number of circumpolar stars largely increased; so that the present Catalogue includes 983 stars, of which 81 are circumpolar, tabulated for the upper and lower culminations.

As the Catalogue has been formed especially and solely for work in the observatory with portable instruments, the right ascensions have been carried only to the nearest tenth of a second of time, and the declination to the nearest second.

In the column of "authorities," the references are, A for the American Ephemeris, E for the English Nautical Almanac, C for the *Connaissance de Temps*. In the column of "Remarks" a few short memoranda have been

* The list of mean places of 539 stars, and of apparent places of 529 stars, published yearly at Berlin since 1869 by the German Astronomical Society, first appeared five years after the work upon my first list had been well advanced.

made to notify the observer of any peculiarities attending the star, although the column is intended for him to enter, in pencil, the chronometer-times of the culminations and the altitudes of the stars for each station.

With this Catalogue, and using the instruments and methods employed on the Coast Survey, the transit-instrument may be readily placed in the meridian in half an hour, the error of the chronometer being unknown.

GEORGE DAVIDSON,

Assistant, Coast Survey, in charge Pacific Coast.

Approved May 9, 1874.

CARLILE P. PATTERSON, *Superintendent*

Auth.	Star.	Mag.	R. A. 1870.0	Annual var.	Dec. 1870.0	Annual var.	Remarks.
			h. m. s.	s.	° ' "	"	
A	α Androm.	2	0 1 40.3	+ 3.088	+ 28 22 22	+ 19.90	
	β Cassiop.	2.3	2 15.2	+ 3.154	+ 58 25 57	+ 19.86	
	22 Androm.	5.6	0 3 34.4	+ 3.098	+ 45 20 55	+ 20.05	
A	4 Draco , L. C. . . .	4.5	12 6 4.8	+ 2.910	+ 101 39 42	+ 20.06	
A	γ Pegasi	2.3	0 6 32.6	+ 3.083	+ 14 27 39	+ 20.05	
	35 Piscium	6	8 17.1	+ 3.082	+ 8 5 56	+ 19.98	2d star $7\frac{1}{2}$ mag. : + 0°.4 : - 12' dec.
	θ Androm.	5	10 18.3	+ 3.113	+ 37 57 34	+ 20.01	
	ι Ceti	3.4	12 48.2	+ 3.054	- 9 32 42	+ 19.95	
D	δ Piscium	5.6	0 13 54.6	+ 3.080	+ 7 28 6	+ 20.03	
	6 Urs. Min. , L. C. . .	6	12 14 18.6	- 0.183	+ 91 34 45	+ 19.96	B. A. C. 4165.
	ι Sculptoris	5	0 14 59.0	+ 3.024	- 29 42 4	+ 19.92	
	12 Cassiop.	5.6	17 38.5	+ 3.252	+ 61 6 37	+ 20.00	
A	β Hydri	3	18 52.6	+ 3.256	- 77 59 14	+ 20.25	
	45 Piscium	6	18 59.8	+ 3.084	+ 6 58 20	+ 19.92	
C	α Phoenicis	2	19 51.0	+ 2.981	- 43 0 47	+ 20.00	
	10 Ceti	6	19 57.4	+ 3.077	- 0 46 12	+ 19.98	
	B. A. C. 100	5 $\frac{1}{2}$	21 14.6	+ 3.188	+ 43 40 32	+ 19.97	
	B. A. C. 103	5	21 28.6	+ 2.987	- 33 43 25	+ 20.02	
E	12 Ceti	6	23 24.3	+ 3.059	- 4 40 33	+ 19.94	
	κ Cassiop.	4.5	0 25 37.7	+ 3.345	+ 62 12 52	+ 19.95	
A	κ Draco , L. C. . . .	3.4	12 27 55.3	+ 2.602	+ 109 29 43	+ 19.93	
	13 Ceti	5.6	0 28 33.3	+ 3.077	- 4 18 33	+ 19.87	
	B. A. C., 160	6	30 39.9	+ 3.090	- 25 29 5	+ 19.78	
	ε Androm.	4	31 41.4	+ 3.154	+ 28 36 20	+ 19.63	
	δ Androm.	3.4	32 22.9	+ 3.189	+ 30 8 57	+ 19.75	
A	α Cassiop.	Var.	33 8.7	+ 3.364	+ 55 49 26	+ 19.80	Mag. $2\frac{1}{2}$ to $2\frac{3}{4}$.
	ξ Cassiop.	5.6	34 49.2	+ 3.304	+ 49 47 55	+ 19.77	
A	β Ceti	2	37 3.7	+ 3.014	- 18 42 2	+ 19.83	
A	21 Cassiop. , U. C. . .	6	37 6.4	+ 3.826	+ 74 16 35	+ 19.73	
	B. A. C. 205	6	38 47.2	+ 3.056	- 5 20 38	+ 19.69	
	ζ Androm.	4	40 27.1	+ 3.167	+ 23 33 44	+ 19.64	Gr. Cat., 1860, mag. 6.
	η Cassiop., (pr.) . . .	4	41 14.7	+ 3.571	+ 57 7 31	+ 19.25	
	δ Piscium	4.5	41 56.3	+ 3.108	+ 6 52 38	+ 19.71	
	ν Androm.	4	42 39.1	+ 3.282	+ 40 22 15	+ 19.71	
	B. A. C. 237	6	44 37.1	+ 3.082	+ 2 40 48	+ 19.68	B. A. C., $7\frac{1}{2}$ mag.
	20 Ceti	5.6	0 46 21.8	+ 3.059	- 1 51 3	+ 19.65	
A	32 Cam. (fol.) L. C. .	4.5	12 48 12.0	+ 0.350	+ 95 52 51	+ 19.63	

Auth.	Star.	Mag.	R. A. 1870.0	Annual var.	Dec. 1870.0	Annual var.	Remarks.
	B. A. C. 210, U. C.	6½	h. m. s. 0 48 33.1	s. +12.080	° ' " + 88 19 30	" + 19.63	
	γ Cassiop.	2.3	48 52.7	+ 3.551	+ 60 0 44	+ 19.63	
	μ Androm.	4	49 32.6	+ 3.298	+ 37 47 37	+ 19.65	
	½ Piscium, 68 . . .	6	50 50.2	+ 3.227	+ 28 17 20	+ 19.58	
	43 Cephei, U. C. . .	4.5	51 26.0	+ 6.897	+ 85 33 31	+ 19.60	B A C. 2 Urs. Min.
	α Sculptoris	4.5	52 20.4	+ 2.899	- 30 3 39	+ 19.51	
	W. O. 1371	6.7	54 42.3	+ 3.213	+ 24 35 45	+ 19.50	Armagh 211.
A	ε Piscium	4	56 11.9	+ 3.109	+ 7 11 23	+ 19.48	
	μ Cassiop.	5.6	59 38.3	+ 3.933	+ 54 17 24	+ 17.86	
	ε Piscium	5.6	1 1 40.4	+ 3.081	+ 4 57 40	+ 19.16	
	η Ceti	3.4	2 3.0	+ 3 019	- 10 52 18	+ 19.22	
C	β Androm.	2	2 27.6	+ 3.321	+ 34 55 51	+ 19.24	
	χ Piscium	4.5	4 28.2	+ 3.213	+ 20 20 34	+ 19.27	
	B. A. C. 362	6	6 15.6	+ 2.859	- 31 29 23	+ 19.22	
	37 Ceti	5.6	1 7 51.1	+ 3.019	- 8 37 19	+ 19.53	
	Groom. 2006, L.C.	7	13 9 21.4	- 11.471	+ 91 39 13	+ 15.12	
	39 Ceti	6	1 10 0.4	+ 3.043	- 3 11 6	+ 19.14	
A	α Urs. Min., U. C.	2	11 17.7	+ 20.136	+ 88 36 58	+ 19.09	
	φ Cassiop.	5.6	11 55.3	+ 3.715	+ 57 32 52	+ 19.13	Star 7½ mag. precedes 12°.
	ξ Androm.	4.5	14 41.9	+ 3.501	+ 44 50 48	+ 18.98	
	δ Cassiop.	3	17 20.0	+ 3.860	+ 59 33 31	+ 18.90	
A	θ¹ Ceti	3	17 31.5	+ 2.998	- 8 51 16	+ 18.73	
	ω Androm.	5	1 19 53.4	+ 3.556	+ 44 44 4	+ 18.75	
	Groom. 2007, L.C.	6	13 19 58.0	- 2.826	+ 94 33 57	+ 18.84	Less than 7 mag. D
A	38 Cassiope, U. C. .	6	1 21 35.6	+ 4.350	+ 69 35 39	+ 18.72	
	49 Androm., A. . .	5.6	22 18.8	+ 3.557	+ 46 20 8	+ 18.77	
	γ Phoenicis	3	22 43.8	+ 2.633	- 43 59 2	+ 18.63	
A	η Piscium	3.4	24 31.7	+ 3.199	+ 14 40 30	+ 18.72	
	B. A. C. 466	5.6	27 6.9	+ 2.700	- 37 32 3	+ 18.50	
	50 Androm.	4.5	29 10.7	+ 3.494	+ 40 45 14	+ 18.19	
	51 Androm.	3.4	30 1.4	+ 3.644	+ 47 58 8	+ 18.43	ν Persei.
	π Piscium	5.6	30 12.5	+ 3.169	+ 11 28 32	+ 18.56	
A	α Eridani	1	32 52.0	+ 2.235	- 57 53 52	+ 18.42	
	τ Androm.	5.6	32 55.0	+ 3.518	+ 39 55 4	+ 18.46	
E	ν Piscium	4.5	34 40.0	+ 3.114	+ 4 49 43	+ 18.33	
C	φ Androm.	4.5	35 31.7	+ 3.721	+ 50 1 58	+ 18.37	B A C 54 Androm.
	B. A. C. 527	6	1 36 16.8	+ 2.747	- 32 58 59	+ 18.34	

FIELD CATALOGUE OF 983 TRANSIT STARS.

Auth.	Star.	Mag.	R. A. 1870.0	Annual var.	Dec. 1870.0	Annual var.	Remarks.
			h. m. s.	s.	° ' "		
A	α Piscium	4	1 38 31.9	+ 3.162	+ 8 30 9	+ 18.27	
	B. A. C. 544	6	40 59.0	+ 3.512	+ 37 18 18	+ 18.17	
	χ Ceti	5.4	43 12.1	+ 2.946	- 11 19 51	+ 17.97	
	ζ Ceti	3	45 2.6	+ 2.960	- 10 58 42	+ 17.98	
	ϵ Cassiop.	3	45 4.5	+ 4.236	+ 63 1 42	+ 18.00	
	α Trianguli	3½	1 45 40.6	+ 3.401	+ 28 56 41	+ 17.82	
	Groom. 2063, L. C.	6	13 45 59.6	- 2.145	+ 96 35 45	+ 18.03	
A	β Arietis	2.3	1 47 27.7	+ 3.300	+ 20 10 18	+ 17.80	
	λ^1 Arietis	5.6	50 41.2	+ 3.327	+ 22 57 39	+ 17.80	λ^2 + 2°.02 : 8½ mag.
A	50 Cassio. , U. C.	4	52 23.0	+ 4.975	+ 71 47 24	+ 17.69	Struve.
	B. A. C. 607	6	52 23.0	+ 3.323	+ 20 25 33	+ 17.60	
	ν Ceti	4.5	53 52.8	+ 2.828	- 21 42 32	+ 17.66	
	α Hydri	3	54 40.4	+ 1.889	- 62 12 13	+ 17.61	
	γ^1 Androm.	2.3	55 55.7	+ 3.649	+ 41 42 16	+ 17.50	
	Lalande 3837	6.7	57 51.3	+ 2.924	- 12 29 5	+ 17.56	Weisse 1017, I.
A	α Arietis	2	1 59 51.0	+ 3.368	+ 22 50 48	+ 17.24	
A	α Draco. , L. C.	3.4	14 0 52.3	+ 1.623	+ 115 0 10	+ 17.36	
	β Trianguli	3.4	2 1 49.0	+ 3.547	+ 34 22 16	+ 17.26	
	5 Trianguli	6.7	3 49.8	+ 3.486	+ 30 54 45	+ 17.24	
	6 Persei	5.6	4 58.5	+ 3.944	+ 50 27 34	+ 17.00	
A	ζ^1 Ceti	4.5	6 6.7	+ 3.169	+ 8 14 8	+ 17.08	
	μ Fornacis	5	7 10.8	+ 2.641	- 31 20 5	+ 16.99	
	δ Trianguli	5.6	9 7.5	+ 3.641	+ 33 37 40	+ 16.75	
E	67 Ceti	5.6	10 29.9	+ 2.986	- 7 1 24	+ 16.76	
	θ Arietis	5.6	10 53.9	+ 3.324	+ 19 17 55	+ 16.87	
C	α Ceti	Var.	12 46.8	+ 3.023	- 3 34 8	+ 16.57	Mag. 1½ to 9½. Period
	B. A. C. 727	6	14 45.7	+ 3.711	+ 40 48 19	+ 16.63	331 days, Gr. Cat.,
	κ Fornacis	5.6	16 35.9	+ 2.756	- 24 24 29	+ 16.54	1864. (See note in
	ξ Arietis	5.6	17 51.0	+ 3.205	+ 10 1 13	+ 16.50	B. A. C.)
A	ϵ Cassio. , U. C.	4	18 23.2	+ 4.837	+ 66 48 56	+ 16.49	
	ρ Ceti	5	19 40.2	+ 2.897	- 12 52 38	+ 16.48	
E	ξ^2 Ceti	4	21 14.9	+ 3.180	+ 7 52 33	+ 16.35	
	27 Arietis	6	23 39.9	+ 3.313	+ 17 7 39	+ 16.17	
	σ Ceti	5	25 55.6	+ 2.844	- 15 48 56	+ 16.16	
	B. A. C. 788	6	2 27 41.3	+ 2.491	- 35 13 26	+ 16.01	
A	5 Urs. Min. , L. C.	4.5	14 27 49.8	- 0.214	+ 103 43 35	+ 16.04	
	ν Ceti	4.5	2 29 3.1	+ 3.134	+ 5 1 27	+ 15.95	

Auth.	Star.	Mag.	R. A. 1870.0	Annual var.	Dec. 1870.0	Annual var.	Remarks.
			h. m. s.	s.	° ' "	"	
	Groom. 527, U.C.	6	2 29 14.3	+ 8.086	+ 80 53 38	+ 16.02	
	81 Ceti	5.6	31 8.9	+ 3.019	- 3 57 38	+ 15.89	
	δ Ceti	3.4	32 49.3	+ 3.071	- 0 14 3	+ 15.75	
	μ Arietis	5.6	35 2.4	+ 3.366	+ 19 27 21	+ 15.60	
A	γ ² Ceti, (foll.)	3.4	36 34.0	+ 3.102	+ 2 41 12	+ 15.40	γ ¹ - α ² .22 : same dec.
	μ Ceti	4	37 55.0	+ 3.232	+ 9 33 59	+ 15.43	
	τ ¹ Eridani	4.5	39 2.3	+ 2.802	- 19 7 28	+ 15.46	
	39 Arietis	4	40 10.3	+ 3.551	+ 28 42 20	+ 15.26	
C	41 Arietis	3	42 20.1	+ 3.512	+ 26 43 22	+ 15.12	
	σ Arietis	6	44 19.0	+ 3.298	+ 14 32 40	+ 15.08	
	τ Persei	5	45 3.2	+ 4.206	+ 52 13 41	+ 15.10	
	B. A. C. 897	6	47 47.1	+ 4.010	+ 46 38 6	+ 14 96	Groom. 585.
	47 Ceph. , U.C.	5½	48 55.4	+ 7.605	+ 78 54 4	+ 14.95	
	η Eridani	3	2 50 4.7	+ 2.928	- 9 25 1	+ 14.59	
A	β Urs. Min. , L. C. . .	2	14 51 6.6	- 0.251	+ 105 18 49	+ 14.75	
	4 Eridani	5.6	2 51 37.0	+ 2.666	- 24 23 3	+ 14.63	
	ε Arietis	4.5	51 47.0	+ 3.417	+ 20 49 7	+ 14.68	
	λ Ceti	5.6	52 45.3	+ 3.215	+ 8 23 18	+ 14.64	
	θ Eridani, (pr.)	3.4	53 19.8	+ 2.269	- 40 49 38	+ 14.61	2d star 5½ mag. : + α ⁵ . + 3'' .3 dec.
	γ Persei	3	55 23.8	+ 4.299	+ 52 58 42	+ 14.48	
A	α Ceti	2.3	55 29.1	+ 3.129	+ 3 34 41	+ 14.37	
	ρ ³ Eridani	5.6	57 53.5	+ 2.945	- 8 6 40	+ 14.32	
C	β Persei	Var.	59 43.0	+ 3.874	+ 40 27 10	+ 14.23	Mag. 2.3 to 4.0; peri 2 87 days.
	B. A. C. 978	6	3 2 17.9	+ 2.569	- 28 19 44	+ 14.19	
A	48 Ceph. , U.C.	6	3 55.2	+ 7.338	+ 77 15 9	+ 13.87	B. A. C. 979
E	δ Arietis	4.5	4 11.9	+ 3.418	+ 19 14 0	+ 13.92	
	B. A. C. 997	3.4	6 33.2	+ 2.550	- 29 30 2	+ 14.43	{ 12 Eridani. Gr. 6-Year Cat 205
A	ζ Arietis	4.5	7 26.0	+ 3.437	+ 20 33 40	+ 13.66	
	ζ Eridani	4.5	9 31.2	+ 2.910	- 9 18 16	+ 13.63	
	B. A. C. 1017	5.6	10 37.7	+ 3.739	+ 33 44 42	+ 13.57	
	κ ¹ Ceti, (96)	5	12 32.7	+ 3.140	+ 2 53 25	+ 13.40	
A	α Persei	2	15 3.1	+ 4.247	+ 49 23 45	+ 13.18	
	o Tauri	3.4	17 49.2	+ 3.224	+ 8 34 20	+ 12.95	
	ξ Tauri	3.4	3 20 7.6	+ 3.240	+ 9 16 38	+ 12.85	
	57 Urs. Min. , L. C. . .	7	15 20 8.1	- 23.503	+ 92 16 20	+ 12.75	
A	γ ² Urs. Min. , L. C. . .	3	15 20 57.2	- 0.148	+ 107 42 12	+ 12.80	
	σ Persei	5	3 21 25.3	+ 4.199	+ 47 32 22	+ 12.83	Another star 6 grea dec.

Auth.	Star.	Mag.	R. A. 1870-0	Annual var.	Dec. 1870-0	Annual var.	Remarks.
			h. m. s.	s.	° ' "	"	
	<i>f</i> Tauri	4.5	3 23 42.0	+ 3.304	+ 12 29 20	+ 12.65	
	Groom. 642, U.C.	6	24 8.8	+ 18.695	+ 86 13 51	+ 12.73	
	<i>ε</i> Eridani	3.4	26 48.4	+ 2.822	- 9 54 0	+ 12.40	
	<i>τ</i> ⁵ Eridani	4	28 2.7	+ 2 643	- 22 4 13	+ 12.35	
	<i>ι</i> Tauri	4.5	30 14.4	+ 3.056	- 0 0 46	+ 11.69	
	Groom. 716 . . .	5.6	30 53.7	+ 5.128	+ 62 47 32	+ 12.26	
A	<i>δ</i> Persei	3	33 40.6	+ 4.239	+ 47 22 9	+ 11.90	
	<i>δ</i> Eridani	3.4	37 1.3	+ 2.868	- 10 12 19	+ 12.46	
	<i>ι</i> ⁷ Tauri	4.5	37 9.7	+ 3.547	+ 23 42 8	+ 11.69	
A	<i>η</i> Tauri	3	39 45.6	+ 3.554	+ 23 42 4	+ 11.47	
	<i>e</i> Tauri	5	41 8.6	+ 3.281	+ 10 44 28	+ 11.37	
	<i>τ</i> ⁷ Eridani	5	42 4.2	+ 2.577	- 24 16 47	+ 11.60	
	B. A. C. 1199 . .	5	44 48.3	+ 2.220	- 38 1 4	+ 11.37	
	<i>υ</i> ² Tauri	6	45 4.4	+ 3.190	+ 6 8 32	+ 11.19	
A	<i>ζ</i> Persei	3	45 57.9	+ 3.756	+ 31 29 43	+ 11.05	
	Camelopardis , U.C.	5.6	3 46 4.2	+ 5.047	+ 60 43 20	+ 11.17	{ Groom. 754. B. A. C. 1204
A	<i>ζ</i> Urs. Min. , L. C.	4.5	15 48 45.4	- 2.291	+ 101 48 25	+ 10.87	
	<i>ε</i> Persei	3.4	3 49 8.1	+ 4.001	+ 39 37 53	+ 10.84	
	<i>γ</i> Hydri	3	49 17.2	- 1.028	- 74 38 25	+ 10.88	
A	<i>γ</i> ¹ Eridani	3	51 57.9	+ 2.796	- 13 52 47	+ 10.54	
	<i>λ</i> Tauri	Var.	53 28.8	+ 3.314	+ 12 7 16	+ 10.53	M ag. 3.4 to 4.3; period 3.95 days.
	Groom. 750, U.C.	6.7	56 32.8	+ 16.580	+ 85 12 29	+ 10.42	
	<i>λ</i> Persei	4.5	56 54.5	+ 4.437	+ 49 59 44	+ 10.24	
	37 Tauri, A ¹ . . .	4.5	57 1.9	+ 3.534	+ 21 43 27	+ 10.19	
	<i>ψ</i> Tauri	5.6	58 58.6	+ 3.700	+ 28 38 50	+ 10.17	
	B. A. C. 1273 . .	6	4 0 15.9	+ 2.469	- 28 0 30	+ 10.18	
	<i>ω</i> ¹ Tauri	6	1 35.7	+ 3.488	+ 19 15 47	+ 9.87	
	<i>p</i> Tauri 44	6	4 2 55.5	+ 3.645	+ 26 8 24	+ 9.89	
	Rad. 3523, L. C. .	7	16 3 27.1	- 12.529	+ 94 19 44	+ 9.61	
	<i>μ</i> Persei	4.5	4 5 21.6	+ 4.374	+ 48 4 34	+ 9.60	
E	<i>ο</i> ¹ Eridani	4.5	4 5 31.2	+ 2.921	- 7 10 44	+ 9.68	
A	Groom. 2320, L. C.	5.6	16 5 58.5	+ 0.132	+ 111 50 50	+ 9.50	
	A Eridani 39 . . .	5	4 8 12.7	+ 2.851	- 10 35 50	+ 9.46	
	<i>ο</i> ² Eridani	4.5	9 17.3	+ 2.760	- 7 51 26	+ 5.87	
	B. A. C. 1313, U. C.	6	10 30.7	+ 5.183	+ 60 25 22	+ 9.24	Groom. 808.
A	<i>γ</i> Tauri	4	12 23.8	+ 3.407	+ 15 18 42	+ 9.07	
	<i>χ</i> Tauri	5.6	4 14 40.5	+ 3.644	+ 25 19 12	+ 8.88	Double; 2d + 0.6; + 18'' dec.

Auth.	Star.	Mag.	R. A. 1870.0	Annual var.	Dec. 1870.0	Annual var.	Remarks.
			h. m. s.	s.	° ' "	"	
	19 Urs. Min. , L. C.	6	16 14 33.0	- 1.844	+ 103 47 45	+ 8.89	
	δ^2 Tauri	4.5	4 16 36.2	+ 3.450	+ 17 8 27	+ 8.73	$\delta^1-1^m 40^s$: +6' dec.
	δ^3 Tauri	5	17 58.3	+ 3.465	+ 17 37 42	+ 8.69	
	ν^5 Eridani	4	19 9.2	+ 2.254	- 34 19 16	+ 8.56	
A	ϵ Tauri	3.4	21 1.7	+ 3.495	+ 18 53 24	+ 8.39	
	80 Tauri	6	22 44.0	+ 3.412	+ 15 21 3	+ 8.25	
	m Persei	6	24 16.4	+ 4.206	+ 42 46 58	+ 8.16	Companion-star, mag
	85 Tauri	6	24 26.3	+ 3.417	+ 15 34 13	+ 8.19	-3 ^m 4: -1' 46'' dec.
	ρ Tauri	5	4 26 28.5	+ 3.403	+ 14 34 6	+ 7.98	
A	A Draco , L. C.	5	16 28 15.0	- 0.143	+ 110 57 2	+ 7.78	
A	α Tauri	1	4 28 27.8	+ 3.436	+ 16 14 45	+ 7.63	
	ν^7 Eridani	3.4	30 29.8	+ 2.231	- 30 49 48	+ 7.63	
	c^1 Tauri, (90) . . .	5	30 53.7	+ 3.351	+ 12 14 51	+ 7.67	
	α Doradus	3	31 11.6	+ 1.290	- 55 18 54	+ 7.59	
	53 Eridani	4	32 13.7	+ 2.746	- 14 33 37	+ 7.37	
	τ Tauri	4.5	34 26.7	+ 3.593	+ 22 42 19	+ 7.31	
	α Coeli	4.5	36 22.6	+ 1.930	- 42 6 46	+ 7.13	
	4 Camelop. . . .	5.6	37 10.9	+ 4.964	+ 56 31 21	+ 7.00	
	β Coeli	5	37 28.0	+ 2.122	- 37 23 59	+ 7.33	
	μ Eridani	3.4	39 0.5	+ 3.003	- 3 29 42	+ 6.97	
A	α Camelop , U. C.	4	41 8.4	+ 5.912	+ 66 7 4	+ 6.77	
	π Aurigæ	6	41 9.8	+ 4.025	+ 37 15 21	+ 6.85	
C	π^1 Orionis	4	42 47.2	+ 3.258	+ 6 43 54	+ 6.71	
	α^1 Orionis	5.6	45 10.9	+ 3.389	+ 14 1 53	+ 6.42	
	Rad. 1311, U. C.	6.7	46 2.2	+ 20.164	+ 85 46 51	+ 6.53	
	ω Eridani	4.5	46 30.4	+ 2.944	- 5 40 19	+ 6.35	
A	ϵ Aurigæ	3	48 31.8	+ 3.896	+ 32 57 27	+ 6.14	
C	β Camelop. . . .	4.5	51 51.9	+ 5.307	+ 60 14 54	+ 5.90	
	ϵ Aurigæ	Var.	52 38.7	+ 4.293	+ 43 37 41	+ 5.87	Mag. $3\frac{1}{2}$ to $4\frac{1}{2}$; period
	ζ Aurigæ	4	53 23.8	+ 4.183	+ 40 53 0	+ 5.80	irregular.
D	ϵ Tauri	4.5	55 19.7	+ 3.579	+ 21 24 6	+ 5.57	
A	π Orionis	5	4 57 8.6	+ 3.425	+ 15 13 15	+ 5.42	
A	ϵ Urs. Min. , L. C.	4.5	16 59 22.8	- 6.392	+ 97 45 11	+ 5.24	
E	ϵ Leporis	3.4	4 59 57.4	+ 2.536	- 22 32 51	+ 5.13	
	β Eridani	3	5 1 27.7	+ 2.948	- 5 15 24	+ 5.03	
	λ Eridani	4	2 55.6	+ 2.870	- 8 55 23	+ 4.93	
	μ Aurigæ	5.6	5 4 32.2	+ 4.095	+ 38 19 42	+ 4.81	

Auth.	Star.	Mag.	R. A. 1870.0	Annual var.	Dec. 1870.0	Annual var.	Remarks.
			h. m. s.	s.	° ' "	"	
A	α Aurigæ	1	5 7 5.3	+ 4.422	+ 45 51 45	+ 4.16	
A	β Orionis	1	8 17.5	+ 2.881	- 8 21 14	+ 4.49	
	λ Aurigæ	5	9 59.8	+ 4.208	+ 39 58 48	+ 3.67	
	τ Orionis	4	11 17.7	+ 2.916	- 6 59 14	+ 4.24	
	σ Columbæ	5	12 47.8	+ 2.162	- 35 2 10	+ 3.66	
	λ Leporis	4.5	13 35.2	+ 2.762	- 13 18 46	+ 4.02	
	ν Leporis	5.6	13 57.3	+ 2.786	- 12 27 4	+ 4.06	
	σ Orionis	5.6	15 7.7	+ 3.064	- 0 30 48	+ 3.93	
	m Orionis	5.6	16 0.0	+ 3.151	+ 3 25 0	+ 3.83	
A	β Tauri	2	18 4.5	+ 3.787	+ 28 29 41	+ 3.48	
C	γ Orionis	2	18 9.9	+ 3.220	+ 6 13 47	+ 3.63	
	ϕ Aurigæ	5.6	19 1.9	+ 3.976	+ 34 21 43	+ 3.54	
	ψ^2 Orionis	5	20 1.6	+ 3.143	+ 2 58 52	+ 3.55	
	64 Camelopardis , U. C.	6	20 35.0	+ 18.440	+ 85 7 18	+ 3.57	Groom. 944.
A	Groom. , 966, U. C.	6.7	22 21.7	+ 7.986	+ 74 57 5	+ 3.28	
	β Leporis	3.4	22 40.5	+ 2.569	- 20 51 54	+ 3.18	
	χ Aurigæ	5	24 16.3	+ 3.903	+ 32 5 35	+ 3.16	
A	δ Orionis	Var.	25 22.0	+ 3.064	- 0 23 52	+ 3.01	Mag. 2.2 to 2.7; period irregular.
A	α Leporis	3	26 59.9	+ 2.646	- 17 55 2	+ 2.90	
	λ Orionis, (pr.) . .	3.4	27 58.7	+ 3.301	+ 9 50 40	+ 2.80	Double; 2d + 0°.3.
	ϵ Orionis	3	29 4.5	+ 2.934	- 5 59 51	+ 2.71	Double; 2d + 0°.45; + 9'' dec.
A	ϵ Orionis	2	29 37.1	+ 3.042	- 1 17 14	+ 2.65	
	ζ Tauri	3.4	29 52.6	+ 3.582	+ 21 3 37	+ 2.61	
	σ Orionis	4	32 13.3	+ 3.010	- 2 40 38	+ 2.47	
C	ζ Orionis	2	34 12.0	+ 3.027	- 2 0 49	+ 2.25	Double; 2d + 0°.2; + 2'' dec.
A	α Columbæ	2	5 34 56.6	+ 2.172	- 34 8 41	+ 2.17	
A	ω Draco , L. C. . .	5	17 37 42.9	- 0.356	+ 111 10 58	+ 1.65	
	γ Leporis	4	5 39 2.6	+ 2.498	- 22 29 34	+ 1.48	
	ζ Leporis	3.4	41 4.0	+ 2.721	- 14 52 21	+ 1.66	
	κ Orionis	2.3	41 35.4	+ 2.844	- 9 43 5	+ 1.60	
	ν Aurigæ	4.5	42 28.9	+ 4.155	+ 39 6 26	+ 1.63	
	ξ Aurigæ	5	5 43 57.2	+ 5.022	+ 55 40 22	+ 1.49	
A	ψ^1 Draco , (pr.) L. C.	4.5	17 44 15.3	- 1.083	+ 107 47 17	+ 1.64	
	δ Leporis	4	5 45 43.9	+ 2.580	- 20 53 33	+ 0.61	
	β Columbæ	3	46 22.6	+ 2.111	- 35 49 7	+ 1.48	
A	α Orionis	Var.	48 8.1	+ 3.247	+ 7 22 50	+ 1.06	Mag. 1 to 1.4; period irregular.
	β Aurigæ	2	5 49 59.8	+ 4.405	+ 44 55 50	+ 0.88	

Auth.	Star.	Mag.	R. A. 1870.0	Annual var.	Dec. 1870.0	Annual var.	Remarks.
			h. m. s.	s.	° ' "	"	
	θ Aurigæ	3.4	5 50 51.5	+ 4.090	+ 37 12 2	+ 0.72	
	B. A. C. 1920 . . .	5½	52 54.2	+ 2.853	- 9 34 8	+ 0.68	
	γ Columabæ . . .	4	52 55.6	+ 2.127	- 35 18 0	+ 0.56	
	μ Orionis	5	55 13.9	+ 3.302	+ 9 38 43	+ 0.48	
	χ^4 Orionis	5	56 12.0	+ 3.562	+ 20 8 19	+ 0.34	
	ι Geminor. . . .	4.5	56 13.1	+ 3.645	+ 23 16 3	+ 0.24	
	B. A. C. 1946 . . .	5.6	58 1.4	+ 2.424	- 26 17 12	+ 0.22	
E	ν Orionis	4.5	6 0 9.1	+ 3.425	+ 14 46 53	- 0.03	
	B. A. C. 1974 . . .	6	2 19.8	+ 2.808	- 11 7 42	- 0.14	
	θ Columbæ	5	3 4.8	+ 2.069	- 37 14 11	- 0.24	
A	α Camelopardis , U. C. .	4.5	4 30.8	+ 6.619	+ 69 21 38	- 0.50	
	ξ Orionis	5	4 33.0	+ 3.415	+ 14 14 50	- 0.32	
	η Geminor. . . .	3.4	7 1.8	+ 3.620	+ 22 32 30	- 0.60	
	k^2 Orionis	5.6	9 8.9	+ 3.373	+ 12 17 58	- 1.40	
	κ Columbæ	4.5	6 11 55.8	+ 2.135	- 35 6 2	- 1.06	
A	δ Urs. Min. , L. C. .	4.5	18 14 16.4	- 19.400	+ 93 23 39	- 1.29	
A	μ Geminor. . . .	3	6 15 5.8	+ 3.633	+ 22 34 40	- 1.43	
	ζ Can. Maj. . . .	2½	15 19.4	+ 2.304	- 30 0 27	- 1.31	
C	β Can. Maj. . . .	2.3	16 58.6	+ 2.643	- 17 53 36	- 1.49	
	B. A. C. 2079 . . .	5.6	19 30.6	+ 2.079	- 36 38 30	- 1.69	
A	α Argus	1	21 4.1	+ 1.330	- 52 37 32	- 1.84	
	ν Geminor. . . .	4.5	21 14.6	+ 3.563	+ 20 17 30	- 1.85	
	B. A. C. 2109 . . .	4.5	6 23 21.1	+ 2.226	- 32 29 57	- 1.95	
	χ Draco , L. C. . .	4.5	18 23 23.9	- 1.075	+ 107 19 27	- 1.70	
	ι Monoc.	5	6 25 52.6	+ 3.247	+ 7 25 11	- 2.19	
	B. A. C. 2147 . . .	5.6	27 47.3	+ 2.266	- 31 56 10	- 2.52	
A	γ Geminor. . . .	2.3	30 12.1	+ 3.469	+ 16 30 28	- 2.66	
	55 Aurigæ	5	33 37.2	+ 4.376	+ 44 38 46	- 2.93	
	ϵ Geminor. . . .	3.4	35 56.0	+ 3.696	+ 25 15 25	- 3.13	
	ξ Geminor. . . .	3.4	37 59.6	+ 3.371	+ 13 1 59	- 3.48	
A	51 Cephei , U. C. . .	5	38 43.0	+ 30.336	+ 87 14 22	- 3.42	
A	α Can. Maj. . . .	1	39 25.1	+ 2.645	- 16 32 22	- 4.64	
	58 Aurigæ	5	41 34.2	+ 4.249	+ 41 55 22	- 3.72	
	θ Geminor. . . .	3.4	44 12.1	+ 3.962	+ 34 6 58	- 3.84	B A C mag 5.
	15 Lyncis	5	46 1.0	+ 5.224	+ 58 35 20	- 4.13	
	B. A. C. 2252 . . .	5	46 8.8	+ 2.187	- 34 13 7	- 4.11	
	ϵ Geminor. . . .	5½	6 47 18.5	+ 3.386	+ 13 20 26	- 4.14	

Auth.	Star.	Mag.	R. A. 1870.0	Annual var.	Dec. 1870.0	Annual var.	Remarks.
			h. m. s.	s.	° ' "	"	
	θ Can. Maj. . . .	4.5	6 48 9.0	+ 2.787	- 11 52 40	- 4.19	
	ϕ^1 Can. Maj. . . .	4.5	48 44.3	+ 2.489	- 24 1 23	- 4.21	
	ι Can. Maj. . . .	4.5	6 50 20.4	+ 2.674	- 16 53 16	- 4.34	
A	50 Draco , L. C. . .	6	18 50 33.1	- 1.897	+ 104 43 16	- 4.45	
A	ϵ Can. Maj. . . .	1.2	6 53 31.1	+ 2.358	- 28 47 48	- 4.64	
	ζ^2 Geminor. . . .	4	6 56 23.9	+ 3.563	+ 20 45 31	- 4.90	Companion = 8.9 mag.: -0°.8: +1' 32'' dec.
	Rad. 4208, L. C. .	6.7	18 57 2.7	-18.211	+ 93 27 28	- 5.20	
E	γ Can. Maj. . . .	4.5	6 57 52.7	+ 2.716	- 15 26 35	- 4.99	
	45 Geminor. . . .	6	7 0 54.7	+ 3.446	+ 16 8 9	- 5.31	
	63 Aurigæ	5	2 42.6	+ 4.142	+ 39 31 45	- 5.39	
A	δ Can. Maj. . . .	2	3 6.4	+ 2.440	- 26 11 17	- 5.42	
	25 Camelopard , U. C.	4.5	3 34.8	+ 13.079	+ 82 39 2	- 6.22	
	22 Monoc.	4.5	5 13.6	+ 3.070	- 0 16 47	- 5.62	
	B. A. C. 2373 . .	6	7 31.3	+ 3.149	+ 3 19 56	- 5.77	
	64 Aurigæ	5.6	8 59.7	+ 4.184	+ 41 6 41	- 5.92	
	λ Geminor. . . .	3.4	10 37.3	+ 3.455	+ 16 46 22	- 6.09	
A	δ Geminor. . . .	3.4	12 21.5	+ 3.591	+ 22 13 10	- 6.22	
A	π Argûs	3.4	7 12 33.5	+ 2.142	- 36 51 54	- 6.20	
	δ Draco , L. C. . .	3	19 12 31.1	+ 0.034	+ 112 34 2	- 6.31	
	66 Aurigæ	5	7 15 8.1	+ 4.173	+ 40 55 12	- 6.38	
A	P. VII , 67, U. C.	6	17 19.9	+ 6.315	+ 68 43 35	- 6.71	
	ι Geminor. . . .	4	7 17 39.0	+ 3.737	+ 28 3 13	- 6.74	
A	τ Draco , L. C. . .	5	19 18 2.3	- 1.106	+ 106 53 13	- 6.80	
	η Can. Maj. . . .	2.3	7 18 57.3	+ 2.372	- 29 3 4	- 6.75	
C	β Can. Min. . . .	3	20 6.0	+ 3.257	+ 8 32 56	- 6.89	
	ρ Geminor. . . .	5	20 44.8	+ 3.870	+ 32 2 20	- 6.68	
	6 Can. Min. . . .	5.6	22 33.8	+ 3.347	+ 12 16 25	- 7.07	
	4 Urs. Min. , U. C.	6.7	22 53.9	+ 76.471	+ 89 0 15	- 6.59	
A	α^2 Geminor. . . .	1.2	26 17.9	+ 3.839	+ 32 10 15	- 7.45	$\alpha^1=3$ mag.: -0°.33.
	ν Geminor. . . .	4.5	27 54.6	+ 3.709	+ 27 11 5	- 7.59	
	Lal. 14810	4.5	28 29.3	+ 2.530	- 22 1 0	- 7.62	Arg. 7033.
	η^1 Puppis	4.5	28 49.2	+ 2.540	- 23 11 37	- 7.64	η^2 Puppis (6) +0°.8: +3'' dec.
	ϕ Geminor. (71) . .	5.6	30 40.7	+ 3.934	+ 34 52 52	- 7.49	
A	α Can. Min. . . .	1	32 29.8	+ 3.146	+ 5 33 22	- 8.92	
	γ Monoc.	4.5	35 2.2	+ 2.869	- 9 15 0	- 8.08	
A	β Geminor. . . .	1.2	37 21.5	+ 3.682	+ 28 20 17	- 8.31	
	4 Puppis	5.6	7 39 58.0	+ 2.765	- 14 15 0	- 8.42	

Auth.	Star.	Mag.	R. A. 1870.0	Annual var.	Dec. 1870.0	Annual var.	Remarks.
			h. m. s.	s.	° ' "	"	
	o Puppis	5	7 42 41.1	+ 2.502	- 25 37 0	-	8.64
C	ξ Argūs	3.4	43 49.6	+ 2.524	- 24 32 7	-	8.75
	Groom. 1374, U.C.	5.6	44 34.9	+ 7.340	+ 74 15 37	-	8.79
	Camelo. 156, U.C.	6	45 28.0	+ 15.476	+ 84 25 27	-	8.66
A	φ Geminor.	5	45 32.4	+ 3.685	+ 27 6 0	-	8.93
	B. A. C. 2629	5	7 47 24.5	+ 2.263	- 34 22 57	-	8.94
A	ε Draco. , L. C.	4	19 48 36.0	- 0.171	+ 110 3 49	-	9.15
	ι Cancrī	5.6	7 49 36.5	+ 3.415	+ 16 8 7	-	9.23
	14 Can. Min.	6	51 36.2	+ 3.119	+ 2 34 7	-	9.36
	ω ¹ Cancrī	6	53 3.8	+ 3.645	+ 25 44 47	-	9.46
	χ Argūs	3	7 53 28.0	+ 1.517	- 52 38 5	-	9.52
A	λ Urs. Min. , L. C.	6.7	19 54 17.3	- 59.162	+ 91 4 56	-	9.59
E	6 Cancrī	5	7 55 31.9	+ 3.694	+ 28 9 23	-	9.75
	μ ¹ Cancrī	6	58 35.9	+ 3.566	+ 23 0 16	-	9.90
	ζ Argūs	2.3	59 1.3	+ 2.114	- 39 38 21	-	9.99
A	3 Urs. Maj. , U. C.	6	7 59 50.6	+ 6.072	+ 68 51 10	-	10.03
	μ ² Cancrī	5.6	8 0 6.8	+ 3.544	+ 21 57 32	-	10.06
A	15 Argūs (ι)	3	2 0.6	+ 2.556	- 23 55 51	-	10.11
	ψ ² Cancrī	4.6	2 37.2	+ 3.625	+ 25 53 58	-	10.54
	16 Puppis	5	4 13.4	+ 2.683	- 18 51 59	-	10.22
	ζ ¹ Canerī	4.5	4 45.3	+ 3.450	+ 18 2 16	-	10.50
C	γ Argūs	3.4	5 31.3	+ 1.840	- 46 57 18	-	10.48
	B. A. C. 2758	5.6	6 13.5	+ 2.224	- 36 53 27	-	10.52
	20 Puppis	5	7 21.5	+ 2.762	- 15 23 56	-	10.60
C	β Cancrī	4	9 27.8	+ 3.260	+ 9 35 3	-	10.77
	χ Cancrī	6	8 12 9.8	+ 3.665	+ 27 38 11	-	11 28
A	κ Cephei , (pr.) L. C.	4.5	20 13 13.1	- 1.891	+ 102 40 54	-	11.01
	q Puppis	5	8 13 41.4	+ 2.244	- 36 15 32	-	11.02
	α ¹ Cancrī	5.6	15 55.1	+ 3.444	+ 18 44 52	-	11.21
	ω Puppis	5	16 16.1	+ 2.379	- 32 38 31	-	11.30
	B. A. C. 2825	5.6	19 9.9	+ 3.007	- 3 29 0	-	11.41
	o Urs. Maj.	3.4	19 26.5	+ 5.056	+ 61 8 57	-	11.55
	ε Argūs	2	19 50.7	+ 1.240	- 59 5 36	-	11.38
	29 Cancrī	6	21 21.9	+ 3.356	+ 14 38 20	-	11.59
	B. A. C. 2846	6	22 22.6	+ 2.548	- 25 42 9	-	11.53
D	θ Cancrī	5.6	24 10.9	+ 3.430	+ 18 31 55	-	11.84
E	η Cancrī	6	8 25 11.2	+ 3.479	+ 20 52 50	-	11.92

2d = 6 mag. : + 0^s.27
- 4^{''}.2 dec.
Mag. 2 in B. A. C.

Mag. 3.4, Arg.

Auth.	Star.	Mag.	R. A. 1870.0	Annual var.	Dec. 1870.0	Annual var.	Remarks.
	B. A. C. 2887 . . .	5.6	h. m. s. 8 28 38.9	s. + 4.533	° ' " + 53 51 6	" - 12.08	
A	Groom. 3241, L.C.	6.7	20 30 32.9	- 0.207	+ 107 54 32	- 12.22	
C	δ Hydræ	4	8 30 46.4	+ 3.183	+ 6 9 19	- 12.21	
	σ Hydræ	5	31 57.7	+ 3.148	+ 3 47 45	- 12.35	
	6 Hydræ	5.6	33 52.0	+ 2.846	- 12 1 2	- 12.43	
	γ Cancrī	4.5	8 35 45.6	+ 3.480	+ 21 56 3	- 12.58	
	75 Draco. , L. C. .	5.6	20 36 16.0	- 3.435	+ 99 1 27	- 12.65	
D	δ Cancrī	4.5	8 37 17.7	+ 3.420	+ 18 37 49	- 12.95	
	α Mali	4.5	38 22.2	+ 2.411	- 32 43 09	- 12.68	
A	ϵ Hydræ	3.4	39 53 5	+ 3.184	+ 6 53 39	- 12.91	
	δ Argūs	3	41 6.7	+ 1.652	- 54 14 0	- 3.08	
	ρ Hydræ	5	41 32.8	+ 3.187	+ 6 18 59	- 13.00	
	35 Lyncis	5.6	43 12.9	+ 4.058	+ 44 12.28	- 13.05	
	ρ^2 Cancrī	6.7	44 51.0	+ 3.591	+ 28 49 33	- 13.24	$\rho^1=6\frac{1}{2}$ mag.: -14°.1: -5' dec.
	σ^2 Cancrī	5.6	46 18.4	+ 3.680	+ 31 4 13	- 13.25	
	ζ Hydræ	3.4	48 31.4	+ 3.183	+ 6 26 19	- 13.41	
A	ι Urs. Maj. . . .	3	50 17.7	+ 4.142	+ 48 33 0	- 13.83	
	α Cancrī	4	51 22.6	+ 3.288	+ 12 21 34	- 13.67	
	10 Urs. Maj. . . .	4	8 52 11.5	+ 3.923	+ 42 17 44	- 13.94	
A	T. Y. C. , 1879, L.C.	6	20 53 24.0	- 2.489	+ 99 56 13	- 13.72	
	κ Urs. Maj. . . .	3.4	8 54 44.4	+ 4.136	+ 47 40 6	- 13.93	
	ν Cancrī	5.6	55 8.0	+ 3.519	+ 24 57 44	- 13.87	
	B. A. C. 3097 . . .	5	58 15.2	+ 3.853	+ 38 58 11	- 14.09	Piazzi VIII, 245.
A	σ^2 Urs. Maj. , U. C.	5	8 58 55.2	+ 5.381	+ 67 39 32	- 14.21	2d star follows $\sigma^1.74$: -1'' dec.
A	κ Cancrī	5	9 0 42.2	+ 3.256	+ 11 11 24	- 14.20	
C	ξ Cancrī	5	1 52.9	+ 3.461	+ 22 34 10	- 14.27	
	B. A. C. 3121 . . .	5.6	2 20.6	+ 2.635	- 25 20 5	- 14.28	Armagh 2019.
	λ Argūs	3	3 13.1	+ 2.202	- 42 54 34	- 14.43	
	e Mali	5.6	4 25.9	+ 2.542	- 29 50 11	- 14.55	
	36 Lyncis	5.6	5 17.6	+ 3.960	+ 43 45 5	- 14.54	
	θ Hydræ	4.5	7 36.0	+ 3.131	+ 2 51 40	- 14.96	
	38 Lyncis	4	10 44.8	+ 3.760	+ 37 21 5	- 14.80	
E	83 Cancrī	6	11 43.2	+ 3.356	+ 18 15 17	- 15.05	
C	β Argūs	1	11 45.9	+ 0.686	- 69 10 55	- 14.80	
	α Lyncis	4	13 7.7	+ 3.679	+ 34 56 25	- 14.92	
A	ι Argūs	2	13 36.6	+ 1.602	- 58 43 47	- 14.93	
	h Mali	5.6	9 15 44.4	+ 2.665	- 25 24 49	- 15.00	

Auth.	Star.	Mag.	R. A 1870.0	Annual var.	Dec. 1870.0	Annual var.	Remarks.
			h. m. s.	s.	° ' "	"	
	κ Leonis	4.5	9 17 4.8	+ 3.513	+ 26 44 25	- 15.24	
	B. A. C. 3207 . .	5.6	17 34.7	+ 2.605	- 28 16 44	- 15.19	λ Pixidis nauticæ.
	κ Argûs	4	18 5.4	+ 1.851	- 52 27 26	- 15.31	
A	ι Draco , U. C. .	4.5	18 20.3	+ 9.152	+ 81 53 50	- 15.27	
	A Hydræ (28) . .	6	18 54.2	+ 3.005	- 4 33 29	- 15.25	
A	α Hydræ	2	21 12.0	+ 2.950	- 8 5 47	- 15.39	
A	d Urs. Maj. , U. C.	4.5	22 56.4	+ 5.434	+ 70 23 57	- 15.48	
A	θ Urs. Maj. . . .	3	24 8.8	+ 4.052	+ 52 16 5	- 16.15	
	ξ Leonis	6	24 56.2	+ 3.240	+ 11 52 27	- 15.70	
	10 Leon. Min. . .	5	9 26 15.2	+ 3.704	+ 36 59 23	- 15.70	9 Leo. precedes 44 ^s : + 4 ^s dec.
A	β Ceph. , foll., L. C.	3	21 26 58.4	+ 0.801	+ 110 0 36	- 15.71	
	33 Hydræ	6	9 28 3.4	+ 2.998	- 5 20 11	- 15.94	
	42 Lyncis	6	30 14.4	+ 3.780	+ 40 49 40	- 15.88	
	10 Leonis	5.6	30 20.9	+ 3.177	+ 7 25 5	- 15.89	
	ε Hydræ	5	33 13.0	+ 3.073	- 0 33 20	- 16.17	
	o Leonis	3.4	34 12.6	+ 3.207	+ 10 28 56	- 16.16	
	ψ Leonis	6	36 39.0	+ 3.276	+ 14 36 54	- 16.26	
A	ε Leonis	3	9 38 28.1	+ 3.420	+ 24 22 18	- 16.36	
A	ιι Ceph. , L. C. .	5	21 40 0.5	+ 0.907	+ 109 17 13	- 16.50	
	ν Urs. Maj. . . .	3.4	9 41 43.5	+ 4.338	+ 59 38 54	- 16.68	
	φ Urs. Maj. . . .	4.5	43 14.8	+ 4.135	+ 54 40 12	- 16.60	
	ν Argûs	3	43 51.2	+ 1.501	- 64 28 10	- 16.59	
A	μ Leonis	4	45 21.9	+ 3.425	+ 26 37 5	- 16.74	
	Groom , 1586, U. C.	6.7	46 41.6	+ 5.548	+ 73 29 46	- 16.70	
	B. A. C. 3385 . .	6	47 8.7	+ 2 687	- 26 43 36	- 16.92	
	B. A. C. 3398 . .	6	49 32.3	+ 3.191	+ 9 32 54	- 16.85	
	19 Leon. Min. . .	5.6	49 42.9	+ 3.702	+ 41 40 24	- 16.89	
	ν Leonis	5.6	9 51 13.6	+ 3.235	+ 13 3 49	- 16.97	
	79 Draco , L. C. .	6.7	21 51 15.0	+ 0.738	+ 106 54 46	- 16.96	
E	π Leonis	5	9 53 20.5	+ 3.176	+ 8 40 17	- 17.10	
	P. IX, 229 . . .	6	55 57.3	+ 4.055	+ 54 31 9	- 17.14	
	B. A. C. 3428 . .	6	56 14.9	+ 2.914	- 12 40 15	- 17.17	Armagh 2189.
	ν ² Hydræ	5.6	9 58 47.8	+ 2.926	- 12 26 6	- 17.28	
	η Leonis	3.4	10 0 14.5	+ 3.278	+ 17 23 43	- 17.37	
A	α Leonis	1.2	1 26.8	+ 3.203	+ 12 36 6	- 17.41	
	λ Hydræ	4.5	4 15.1	+ 2.928	- 11 42 44	- 17.63	
	34 Leonis	6	10 4 38.6	+ 3.235	+ 13 59 43	- 17.67	

Auth.	Star.	Mag.	R. A. 1870.0	Annual var.	Dec. 1870.0	Annual var.	Remarks.
			h. m. s.	s.	° ' "	"	
	B. A. C. 3489 . . .	6	10 7 20.5	+ 2.745	- 26 23 3	- 17.43	
A	32 Urs. Maj. , U. C.	6	8 33.8	+ 4.443	+ 65 45 19	- 17.77	
	λ Urs. Maj. . . .	3.4	9 15.0	+ 3.650	+ 43 33 45	- 17.80	
	ζ Leonis	3	9 27.4	+ 3.355	+ 24 3 51	- 17.74	
	B. A. C. 3495, U. C.	5.6	10 20.6	+ 10.149	+ 84 54 35	- 17.73	
	22 Sextantis . . .	6	11 10.2	+ 2.982	- 7 25 14	- 17.83	
A	γ^1 Leonis	2.3	12 48.1	+ 3.318	+ 20 29 54	- 18.02	$\gamma^2 = 3.4 \text{ mag.} : + 0^{\circ}.22 :$ $- 1^{\circ}.2 \text{ dec.}$
	μ Urs. Maj. . . .	3	14 34.6	+ 3.603	+ 42 9 7	- 17.93	
	30 Camelo. , U. C.	5	14 59.9	+ 8 106	+ 83 13 1	- 17.99	
	γ Antliae	5.6	17 57.5	+ 2.757	- 28 59 28	- 17.96	
	μ Hydrae	4	19 48.3	+ 2.898	- 16 10 26	- 18.27	
	β Leon. Min. . . .	4.5	20 21.6	+ 3.494	+ 37 22 21	- 18 28	
	α Antliae	4.5	21 12.4	+ 2.738	- 30 24 30	- 18.27	
	29 Sextantis . . .	5.6	10 22 52.6	+ 3.053	- 2 4 28	- 18.30	
	B. A. C. 7851, L. C.	5.6	22 23 16.4	- 3.697	+ 94 32 52	- 18.32	
	δ Antliae	5.6	10 23 36.5	+ 2.757	- 29 56 30	- 18.38	
A	9 Draco. , U. C.	4.5	23 58.5	+ 5.317	+ 76 22 52	- 18.35	
A	ρ Leonis	4	25 57.9	+ 3.166	+ 9 58 29	- 18.39	
	48 Leonis	5.6	28 1.0	+ 3.135	+ 7 37 20	- 18.39	
	ϕ^2 Hydrae	6	10 29 55.7	+ 2.926	- 15 40 18	- 18.50	
A	226 Ceph. , L. C.	5.6	22 29 58.9	+ 1.084	+ 104 26 37	- 18.52	
	37 Leon. Min. . . .	4.5	10 31 24.0	+ 3.401	+ 32 39 3	- 18.57	Variable.
	ϕ^3 Hydrae	5	32 15.0	+ 2.922	- 16 12 8	- 18.56	
	B. A. C. 3665 . . .	6	35 54.0	+ 3.563	+ 46 53 8	- 18.84	Groom. 1678.
	34 Sextantis . . .	6.7	35 54.6	+ 3.100	+ 4 15 40	- 18.73	
	θ Argus	3	38 19.6	+ 2.120	- 63 42 50	- 18.80	
	42 Leon. Min. . . .	4.5	38 37.9	+ 3.359	+ 31 21 58	- 18.79	
	η Argus	Var.	40 1.4	+ 2.309	- 58 59 25	- 18.75	Mag. 1 to 6; period ir- regular.
	δ^1 Hydrae	6	40 29.8	+ 2.934	- 16 36 42	- 18.84	
	μ Argus	3	41 11.0	+ 2.562	- 48 44 0	+ 18.90	
A	ι Leonis	5	42 25.3	+ 3.160	+ 11 13 58	- 18.92	
C	ν Hydrae	3.4	43 12.7	+ 2.954	- 15 30 50	- 18.92	
	41 Sextantis . . .	6	10 43 46.7	+ 3.006	- 8 12 35	- 18.94	
A	ϵ Ceph. , L. C.	3.4	22 45 3.4	+ 2.117	+ 114 28 59	- 18.85	
	ω Urs. Maj. . . .	5	10 46 29.2	+ 3.481	+ 43 52 53	- 19.10	
	34 Ceph. , L. C.	5	22 47 54.6	- 0.027	+ 97 30 35	- 19.12	
	54 Leonis	4.5	10 48 34.4	+ 3.273	+ 25 26 33	- 19.09	Companion = 8 mag. : $+ 0^{\circ}.5 : - 1^{\circ}.3 \text{ dec.}$

Auth.	Star.	Mag.	R. A. 1870.0	Annual var.	Dec. 1870.0	Annual var.	Remarks.
	Groom. 1706, U. C.	6	h. m. s. 10 49 28.5	s. + 5.069	° ' " + 78 27 55	" - 19.12	
	B. A. C. 3755 . . .	5.6	50 39.8	+ 2.773	- 36 26 40	- 19.34	
	47 Urs. Maj. . . .	5.6	52 10.9	+ 3.386	+ 41 7 27	- 19.12	
	α Crateris	4	53 26.6	+ 2.919	- 17 36 25	- 19.06	
	d Leonis	5	53 50.8	+ 3.100	+ 4 18 53	- 19.28	
C	β Urs. Maj. . . .	2	53 58.9	+ 3.678	+ 57 4 43	- 19.19	
A	α Urs. Maj. . . .	2	55 41.0	+ 3.763	+ 62 27 7	- 19.35	
E	χ Leonis	5	58 18.6	+ 3.101	+ 8 2 16	- 19.41	
	p^3 Leonis	5.6	11 0 16.2	+ 3.061	+ 2 39 38	- 19.46	
	ψ Urs. Maj. . . .	3.4	2 20.7	+ 3.407	+ 45 12 11	- 19.50	
	β Crateris	4	5 16.6	+ 2.948	- 22 7 0	- 19.58	
A	δ Leonis	2.3	7 11.6	+ 3.202	+ 21 14 9	- 19.65	
	θ Leonis	3.4	7 25.0	+ 3.156	+ 16 8 23	- 19.58	
	η Leonis	5.6	9 3.7	+ 3.146	+ 14 0 57	- 19.59	
	ξ^1 Urs. Maj. . . .	3.4	11 14.4	+ 3.215	+ 32 15 38	- 20.18	$\xi^2 = + 0^s.3 : - 2''$ dec.
A	δ Crateris	3.4	11 12 50.6	+ 2.996	- 14 4 31	- 19.44	
A	α Ceph. , L. C. . .	5.6	23 13 17.9	+ 2.436	+ 112 36 0	- 19.62	
	σ Leonis	4	11 14 25.9	+ 3.095	+ 6 44 28	- 19.68	
	λ Crateris	6	16 55.4	+ 2.971	- 18 3 57	- 19.69	
	ϵ Leonis	3.4	17 8.7	+ 3.129	+ 11 14 52	- 19.77	
	γ Crateris	4	18 23.4	+ 2.991	- 16 58 12	- 19.68	
	B. A. C. 3885 . . .	5	18 36.2	+ 3.432	+ 56 33 47	- 19.68	
A	τ Leonis	5	21 15.1	+ 3.088	+ 3 34 19	- 19.78	
	202 Camelo. , U. C. .	6	22 34.9	+ 4.582	+ 81 50 32	- 19.77	
A	λ Draco. , U. C. .	3.4	23 39.4	+ 3.643	+ 70 2 52	- 19.86	
	e Leonis	4.5	23 40.3	+ 3.063	- 2 17 11	- 19.83	
	B. A. C. 3928 . . .	4	11 26 36.7	+ 2.942	- 31 8 16	- 19.87	
	39 Ceph. , L. C. . .	6	23 27 50.0	- 0.041	+ 93 24 36	- 19.86	
	B. A. C. 3934 . . .	6	11 28 10.6	+ 2.900	- 32 8 34	- 19.04	
A	v Leonis	4.5	30 17.6	+ 3.074	- 0 6 22	- 19.83	
	ϵ Crateris	5.6	11 32 4.0	+ 3.043	- 12 29 11	- 19.90	
A	γ Ceph. , L. C. . .	3.4	23 34 1.8	+ 2.401	+ 103 5 35	- 20.07	
	62 Urs. Maj. . . .	6	11 34 48.0	+ 3.142	+ 32 27 57	- 19.92	
	B. A. C. 3973 . . .	6.7	36 43.9	+ 3.200	+ 42 26 40	- 19.94	Groom. 1821.
	v Virginis	4.5	39 10.6	+ 3.089	+ 7 15 27	- 20.18	
	χ Urs. Maj. . . .	4	39 10.7	+ 3.205	+ 48 30 1	- 19.94	
	α^1 Virginis	5.6	11 41 14.1	+ 3.085	+ 8 58 1	- 19.99	

Auth.	Star.	Mag.	R. A. 1870.0	Annual var.	Dec. 1870.0	Annual var.	Remarks.
			h. m. s.	s.	° ' "	"	
A	β Leonis	2.3	11 42 25.6	+ 3 066	+ 15 17 56	- 20.09	
C	β Virginis	3.4	43 55.4	+ 3.124	+ 2 29 50	- 20.29	
A	γ Urs. Mag. . . .	2.3	11 46 58.9	+ 3.190	+ 54 25 3	- 20.02	
A	Groom. 4163, L. C. .	6½	23 48 32.1	+ 2.848	+ 106 18 48	- 20.00	
	α Leonis	6.7	11 48 59.1	+ 3.090	+ 16 22 14	- 20.03	
	B. A. C. 4037 . . .	6	50 27.6	+ 2.981	- 32 36 30	- 21.77	
	b Virginis	5.6	11 53 17.4	+ 3.073	+ 4 22 45	- 20.07	
	309 Ceph. , L. C. . .	7	23 53 27.7	+ 2.535	+ 94 1 3	- 20.05	
	π Virginis	4.5	11 54 12.7	+ 3.077	+ 7 20 11	- 20.09	
	67 Urs. Maj. . . .	5.6	55 30.3	+ 3.071	+ 43 46 0	- 20.03	
	B. A. C. 4070, U. C. .	6½	58 9.8	+ 3.291	+ 86 18 28	- 20.06	
A	α Virginis	4	58 35.2	+ 3.060	+ 9 27 19	- 20.00	
	α Corvi.	4.5	12 1 42.8	+ 3.086	- 24 0 13	- 20.10	
E	ϵ Corvi.	3.4	3 26.5	+ 3.076	- 21 53 48	- 20.05	
	5 Comæ	6	5 32.5	+ 3.061	+ 21 16 0	- 20.05	
A	4 Draco. , U. C. . .	4.5	6 4.8	+ 2.910	+ 78 20 18	- 20.06	
	δ Crucis	3	8 15.3	+ 3.133	- 58 1 30	- 20.05	
	1 Can. Ven.	6	8 16.3	+ 3.010	+ 54 9 30	- 20.04	
C	δ Urs. Maj.	3	8 59.0	+ 3.012	+ 57 45 17	- 20.08	
	γ Corvi.	2.3	9 7.4	+ 3.078	- 16 49 12	- 20.02	
	2 Can. Ven.	5.6	9 36.3	+ 3.027	+ 41 23 3	- 20.08	Companion = 9 mag. : - 0°.8.
	B. A. C. 4128 . . .	5	9 57.9	+ 3.039	+ 33 47 18	- 20.22	
A	β Chamæ.	5	10 45.9	+ 3.338	- 78 35 26	- 20.04	
A	η Virginis	3.4	13 15.3	+ 3.068	+ 0 3 21	- 20.03	
	6 Urs. Maj. , U. C. .	6	14 18.6	- 0.183	+ 88 25 15	- 19.96	B. A. C. 4165.
	12 Comæ	5	15 58.1	+ 3.028	+ 26 34 4	- 20.00	
	13 Comæ	5	17 47.2	+ 3.021	+ 26 49 11	- 20.03	
A	α^1 Crucis	1	19 22.7	+ 3.265	- 62 22 38	- 19.93	
	γ Comæ	4.5	20 27.4	+ 3.002	+ 28 59 29	- 20.09	
C	δ^2 Corvi.	2.3	23 8.5	+ 3.107	- 15 47 29	- 19.96	$\delta^1 = 9 \text{ mag.} : - 0°.85 :$ $- 20''.6 \text{ dec.}$
	γ Crucis	2	23 58.4	+ 3.280	- 56 23 0	- 20.13	
	η Corvi	4.5	25 22.9	+ 3.086	- 15 28 32	- 20.01	
A	β Corvi.	2.3	27 33.7	+ 3.138	- 22 40 37	- 19.95	
	β Can. Ven.	4.5	27 33.8	+ 2.860	+ 42 3 51	- 19.61	
A	κ Draco. , U. C. . .	3.4	27 55.3	+ 2.602	+ 70 30 17	- 19.93	
	f Virginis	6	30 5.7	+ 3.087	- 5 7 0	- 19.97	
	χ Virginis	5	12 32 32.4	+ 3.096	- 7 16 46	- 19.90	

Auth.	Star.	Mag.	R. A. 1870.0	Annual var.	Dec. 1870.0	Annual var.	Remarks.
			h. m. s.	s	° ' "	"	
	γ Centauri . . .	3	12 34 21.7	+ 3.270	- 48 14 46	- 19.90	
E	γ^1 Virginis . . .	2.3	35 4.5	+ 3.037	- 0 44 11	- 19.84	γ^2 =same mag.: +0.14 - 4''.5 dec.
	B. A. C. 4277 . .	6	12 36 57.4	+ 3.075	- 0 51 41	- 19.80	
A	21 Cassiope , L. C. .	6	0 37 6.4	+ 3.826	+ 105 43 25	- 19.73	
	B. A. C. 4287 . .	5.6	12 39 1.0	+ 2.838	+ 46 9 4	- 19.77	Groom. 1922.
C	β Crucis	2	40 8.9	+ 3.449	- 58 58 37	- 19.72	
	35 Virginis	6	41 14.2	+ 3.053	+ 4 16 59	- 19.75	
	30 Comæ	6	42 57.2	+ 2.930	+ 28 15 38	- 19.68	
	31 Comæ	5.6	45 21.9	+ 2.933	+ 28 14 56	- 19.68	
	ψ Virginis	5	47 35.6	+ 3.112	- 8 49 56	- 19.66	
A	32 Camel , foll., U.C.	4.5	48 12.0	+ 0.350	+ 84 7 9	- 19.63	
C	ϵ Urs. Maj. . . .	2	12 48 18.3	+ 2.665	+ 56 39 57	- 19.68	
	B. A. C. 240, L. C.	6	0 48 33.1	+ 12.080	+ 91 40 30	- 19.65	6 Y Gr. C.=50.
	δ Virginis	3	12 49 3.4	+ 3.022	+ 4 6 16	- 19.69	
A	12 Can. Ven., foll. .	3	12 49 56.6	+ 2.818	+ 39 1 16	- 19.52	Companion =6.7 mag - 1''.3: - 13'' dec.
	43 Cephei , L. C. .	4.5	0 51 25.6	+ 6.842	+ 94 26 29	- 19.60	
	36 Comæ	4.5	12 52 29.7	+ 2.974	+ 18 6 39	- 19.48	
C	ϵ Virginis	3	55 42.3	+ 2.988	+ 11 39 31	- 19.44	
	48 Virginis	6	57 12.5	+ 3.079	- 2 57 45	- 19.46	
	14 Can. Ven. . . .	5	59 39.5	+ 2.819	+ 36 29 42	- 19.38	
	ψ Hydræ	4.5	13 2 3.3	+ 3.223	- 22 25 20	- 19.39	
A	θ Virginis	4.5	3 13.3	+ 3.101	- 4 50 39	- 19.32	
	β Comæ	4.5	5 48.3	+ 2.807	+ 28 32 17	- 18.35	
	B. A. C. 4433 . .	5	7 49.1	+ 2.733	+ 40 50 31	- 19.25	
	Groom , 2006, U.C.	7	9 21.4	- 11.471	+ 88 20 47	- 19.12	
	19 Can. Ven. . . .	6.7	13 9 41.3	+ 2.716	+ 41 32 33	- 19.12	
A	α Urs. Min. L. C.	2	1 11 17.7	+ 20.136	+ 91 23 2	- 19.09	
	61 Virginis	4.5	13 11 36.5	+ 3.137	- 17 35 17	- 20.13	
	20 Can. Ven. . . .	4.5	11 42.7	+ 2.700	+ 41 15 28	- 19.05	
	γ Hydræ	3	11 51.6	+ 3.249	- 22 29 4	- 19.10	
	ϵ Centauri	3	13 18.1	+ 3.351	- 36 1 34	- 19.19	
	B. A. C. 4466 . .	6	14 30.9	+ 3.211	- 18 48 39	- 18.97	
	63 Virginis	6	16 3.5	+ 3.202	- 17 3 13	- 19.03	
A	α Virginis	1	18 20.8	+ 3.153	- 10 28 54	- 18.91	
	ζ^1 Urs. Maj. . . .	2.3	18 41.2	+ 2.433	+ 55 36 17	- 18.94	Companion smaller + 0''.8: - 12½'' dec.
	i Virginis	5	19 51.3	+ 3.164	- 12 1 50	- 18.90	
	Groom , 2007, U.C.	6.7	13 19 58.0	- 2.826	+ 85 26 3	- 18.84	

Auth.	Star.	Mag	R. A. 1870.0	Annual var.	Dec. 1870.0	Annual var.	Remarks.
			h m. s.	s.	° ' "	"	
A	38 Cassiop. , L. C. .	6	1 21 35.6	+ 4.350	+ 110 24 21	- 18.72	
	70 Virginis	5.6	13 22 4.5	+ 2.937	+ 14 28 5	- 19.37	
	B. A. C. 4513 . .	6	24 42.7	+ 2.847	+ 24 54 30	- 18.71	Mag. $7\frac{1}{4}$ D.; companion=8.9 mag.: -4°.9: -12''.5 dec.
	73 Virginis	6	25 2.4	+ 3.227	- 18 3 28	- 18.72	
	h Virginis	5.6	26 7.3	+ 3.150	- 9 29 40	- 18.70	
A	ζ Virginis	3.4	28 4.2	+ 3.053	+ 0 4 12	- 18.52	
	24 Can. Ven. . . .	5	29 8.6	+ 2.476	+ 49 40 53	- 18.57	
	B. A. C. 4541 . .	6	29 35.8	+ 3.297	- 25 49 59	- 18.60	
	ε Centauri	3	31 40.0	+ 3.741	- 52 48 15	- 18.57	
	25 Can. Ven. . . .	5	31 41.2	+ 2.680	+ 36 57 25	- 18.48	
	m Virginis	5.6	34 47.4	+ 3.137	- 8 2 47	- 18.35	
	83 Virginis	6	37 29.3	+ 3.229	- 15 31 31	- 18.33	
	87 Virginis	6	40 21.3	+ 3.252	- 17 12 29	- 18.24	
	τ Bootis	4.5	41 5.1	+ 2.852	+ 18 6 21	- 18.10	
A	η Urs. Maj. . . .	2	42 25.0	+ 2.374	+ 49 57 46	- 18.11	
	h Centauri	4.5	45 43.9	+ 3.430	- 31 17 4	- 18.03	
	Groom. 2063, U.C. .	6	46 7.7	- 2.145	+ 83 24 15	- 18.03	
	ζ Centauri	3	47 26.6	+ 3.698	- 46 38 50	- 18.03	
A	η Bootis	3	48 29.7	+ 2.859	+ 19 3 2	- 18.18	
	9 Bootis	5	13 50 38.1	+ 2.747	+ 28 7 50	- 17.84	
A	50 Cassiop. , L. C. .	4	1 52 23.0	+ 4.975	+ 108 12 36	- 17.69	
	48 Hydræ	6	13 52 43.7	+ 3.343	- 24 22 21	- 17.72	
A	β Centauri	1	54 40.3	+ 4.161	- 59 44 40	- 17.67	
E	τ Virginis	4.5	55 1.9	+ 3.048	+ 2 10 29	- 17.66	
	B. A. C. 4679 . .	6.7	57 25.0	+ 3.240	- 14 20 43	- 17.52	
	π Hydræ	3.4	58 58.5	+ 3.402	- 26 3 23	- 17.57	
C	θ Centauri	2.3	59 2.3	+ 3.498	- 35 43 47	- 18.07	
A	α Draco. , U. C. .	3.4	14 0 52.3	+ 1.623	+ 64 59 50	- 17.36	
	B. A. C. 4699 . .	5.6	2 43.8	+ 2.409	+ 44 28 26	- 17.27	
	κ Virginis	4.5	5 57.8	+ 3.192	- 9 40 6	- 17.09	
	14 Bootis	5.6	7 50.3	+ 2.887	+ 13 34 13	- 17.05	
A	α Bootis	1	9 43.9	+ 2.734	+ 19 51 39	- 18.90	
	λ Virginis	4.5	12 4.7	+ 3.235	- 12 46 17	- 16.79	
	B. A. C. 4757 . .	6	14 32.3	+ 3.559	- 34 11 25	- 16.72	
	2 Libræ	6	16 26.0	+ 3.215	- 11 7 9	- 16.07	
	B. A. C. 4776 . .	6	14 18 19.2	+ 3.443	- 26 15 47	- 16.54	
A	ι Cassiop. , L. C. .	4	2 18 23.1	+ 4.837	+ 113 11 4	- 16.49	

Auth.	Star.	Mag.	R. A. 1870.0	Annual var.	Dec. 1870.0	Annual var.	Remarks.
			h. m. s.	s.	° ' "	"	
	<i>f</i> Bootis	5	14 20 24.6	+ 2.796	+ 19 48.46	- 16.38	
A	<i>θ</i> Bootis	3.4	20 46.2	+ 2.043	+ 52 27 10	- 16.78	
	B. A. C. 4797 . . .	6	22 53.3	+ 2.487	+ 36 46 50	- 16.30	
	B. A. C. 4805 . . .	6	24 29.2	+ 2.353	+ 42 23 9	- 16.21	
E	<i>ρ</i> Bootis	3.4	26 13.6	+ 2.587	+ 30 56 36	- 15.97	
	<i>γ</i> Bootis	2.3	26 50.8	+ 2.429	+ 38 52 40	- 15.96	
	<i>η</i> Centauri	3	27 15.7	+ 3.774	- 41 35 9	- 16.21	
A	5 Urs. Min. , U. C.	4.5	27 49.8	- 0.214	+ 76 16 25	- 16.04	
	<i>σ</i> Bootis	4.5	14 29 1.2	+ 2.615	+ 30 18 40	- 15.86	
	Groom. 527, L. C.	6	2 29 14.2	+ 8.086	+ 99 6 22	- 16.02	
A	<i>α</i> ² Centauri	1	14 30 48.3	+ 4.032	- 60 17 39	- 15.05	
	B. A. C. 4838 . . .	6.7	32 6.4	+ 3.471	- 26 9 40	- 15.96	
	<i>α</i> Lupi	3	33 17.9	+ 3.945	- 46 49 43	- 15.84	
	<i>π</i> Bootis	3.4	34 37	+ 2.816	+ 16 58 37	- 15.66	Double; smaller = + 0°. - 1".9 dec.
C	<i>ζ</i> Bootis	3.4	34 56.5	+ 2.861	+ 14 17 15	- 15.66	
	<i>μ</i> Virginis	4.5	36 12.6	+ 3.153	- 5 5 29	- 15.92	
	34 Bootis	4.5	37 42.6	+ 2.643	+ 27 4 54	- 15.50	
A	<i>ε</i> Bootis, foll. . . .	2.3	39 18.6	+ 2.622	+ 27 37 26	- 15.37	
	<i>μ</i> Libræ	5.6	42 11.7	+ 3.278	- 13 36 21	- 15.28	
A	<i>α</i> ² Libræ	2.3	43 41.4	+ 3.307	- 15 29 58	- 15.21	
	<i>ξ</i> Bootis	3.4	45 23.6	+ 2.767	+ 19 38 27	- 15.22	Double; same sign; = + 0°. 11' : - 5".5 dec. observe second.
	<i>ξ</i> ¹ Libræ	6	14 47 19.6	+ 3.246	- 11 21 58	- 15.00	
	47 Ceph. , L. C. . . .	5.5	2 48 55.4	+ 7.605	+ 101 5 56	- 14.95	
	<i>ξ</i> ² Libræ	5.6	14 49 43.0	+ 3.244	- 10 53 1	- 14.86	
	<i>β</i> Lupi	3	50 1.8	+ 3.895	- 42 36 31	- 14.82	
	<i>κ</i> Centauri	3	50 42.9	+ 3.869	- 41 34 48	- 14.77	
A	<i>β</i> Urs. Min. , U. C.	2	51 6.6	- 0.251	+ 74 41 11	- 14.75	
	B. A. C. 4937 . . .	6	52 4.7	+ 2.012	+ 50 9 40	- 14.94	
	<i>δ</i> Libræ	4.5	54 1.7	+ 3.195	- 8 0 5	- 14.58	
A	<i>β</i> Bootis	3	57 2.9	+ 2.260	+ 40 54 17	- 14.40	
E	<i>ψ</i> Bootis	4.5	58 52.6	+ 2.570	+ 27 27 22	- 14.25	
	<i>c</i> Bootis	4.5	15 1 35.5	+ 2.634	+ 25 22 36	- 14.26	
A	48 Ceph. , L. C. . . .	6	3 3 55.2	+ 7.338	+ 102 44 51	- 13.87	
	<i>ι</i> ¹ Libræ, (24) . . .	4.5	15 4 48.9	+ 3.409	- 19 17 52	- 13.90	
	<i>ι</i> Lupi	6	6 40.0	+ 3.655	- 31 1 53	- 13.82	
	<i>γ</i> Triang. Aust . . .	3	6 48.9	+ 5.470	- 68 11 47	- 13.86	
	B. A. C. 5026 . . .	6	15 8 38.7	+ 2.284	+ 38 45 11	- 13.67	

Auth.	Star.	Mag.	R. A. 1870.0	Annual var.	Dec. 1870.0	Annual var.	Remarks.
	B. A. C. 5023 . . .	6	h. m. s. 15 8 50.8	s. + 3.457	° ' " - 21 55 2	" - 13.73	
A	β Libræ	2	10 0.8	+ 3.220	- 8 54 4	- 13.55	
	δ Bootis	3½	10 15.8	+ 2.421	+ 33 48 4	- 13.64	
	γ Serpentis	5½	12 40.0	+ 3.041	+ 2 15 35	- 13.93	
	δ Lupi	4	12 50.5	+ 3.898	- 40 10 37	- 13.64	
	ϕ^2 Lupi	6	14 51.5	+ 3.805	- 36 23 26	- 13.39	
	α^2 Libræ	5.6	15 46.9	+ 3.333	- 14 40 5	- 13.16	
	ϵ Libræ	5.6	17 9.3	+ 3.244	- 9 51 7	- 13.14	
A	μ^1 Bootis	3.4	19 34.8	+ 2.268	+ 37 50 4	- 12.82	
	57 Urs Min., U. C.	7	20 8.1	- 23.502	+ 87 43 40	- 12.73	
A	γ^2 Urs. Min., U. C.	3	20 57.2	- 0.148	+ 72 17 48	- 12.80	
	ι Draconis	3	15 22 2.7	+ 1.336	+ 59 25 21	- 12.72	
	Groom. 642, L. C.	6	3 24 8.8	+ 18.695	+ 93 46 9	- 12.73	
	B. A. C. 5109 . . .	6.7	15 25 8.8	+ 3.426	- 19 13 33	- 12.64	
	δ Serpentis	3.4	28 35.7	+ 2.866	+ 10 58 31	- 12.29	δ^2 double; same size : $\delta^2 = - 0^s.03 : + 3^s.5$ dec.
A	α Cor. Bor. . . .	2	29 11.1	+ 2.539	+ 27 9 14	- 12.34	
	ψ^1 Lupi	5.6	31 31.1	+ 3.789	- 33 59 8	- 12.21	
	ϕ Bootis	5.6	33 9.4	+ 2.153	+ 40 46 42	- 11.94	
	ψ^2 Lupi	5.6	34 24.5	+ 3.800	- 34 17 28	- 12.04	
	κ Libræ	5	34 27.6	+ 3.445	- 19 15 19	- 12.04	
	ι Serpentis	4.5	35 45.4	+ 2.672	+ 20 5 26	- 11.84	
	α Serpentis	2.3	37 51.9	+ 2.950	+ 6 50 12	- 11.60	
	β Serpentis	3.4	40 11.4	+ 2.767	+ 15 49 51	- 11.53	
	μ Serpentis	3.4	42 50.4	+ 3.129	- 3 1 50	- 11.42	
	β Triang. Aust. . .	3	43 43.4	+ 5.214	- 63 1 28	- 11.56	
A	ϵ Serpentis	3.4	44 20.2	+ 2.987	+ 4 52 16	- 11.11	
	λ Libræ	4.6	45 47.4	+ 3.471	- 19 46 34	- 11.12	
	κ Cor. Bor.	4.5	46 20.1	+ 2.257	+ 36 3 44	- 11.39	
	ξ^1 Lupi	4.5	48 35.0	+ 3.822	- 33 34 57	- 10.92	2d star = $6\frac{1}{2}$ mag. : + $0^s.7$: + $8''$ dec.
A	ζ Urs. Min., U. C.	4.5	48 45.4	- 2.291	+ 78 11 35	- 10.87	
	γ Serpentis	3.4	50 27.0	+ 2.768	+ 16 5 15	- 12.03	
	π Scorpii	3.4	50 59.5	+ 3.614	- 25 44 4	- 10.77	
A	ϵ Cor. Bor.	4	52 12.4	+ 2.485	+ 27 15 23	- 10.65	
A	δ Scorpii	2.3	52 39.0	+ 3.536	- 22 14 56	- 10.58	
	r Herculis	5.6	15 55 23.9	+ 2.693	+ 18 10 44	- 10.43	
	Groom. 750, L. C.	6	3 56 33.5	+ 16.580	+ 94 47 31	- 10.42	
	β^1 Scorpii	2	15 57 52.8	+ 3.477	- 19 26 50	- 10.21	

Auth.	Star.	Mag.	R. A. 1870.0	Annual var.	Dec. 1870.0	Annual var.	Remarks.
			h. m. s.	s.	° ' "	"	
	θ Draconis . . .	3	15 59 27.7	+ 1.126	+ 58 54 47	- 9.76	
	κ Herculis . . .	5.6	16 2 12.4	+ 2.700	+ 17 23 43	- 9.92	
	Rad. 3523, U. C. .	7	3 27.1	- 12.529	+ 85 40 16	- 9.61	
	τ Coronæ . . .	4.5	4 13.2	+ 2.193	+ 36 49 22	- 9.37	
	ν^2 Scorpii . . .	4	4 26.6	+ 3.476	- 19 7 13	- 9.66	$\nu^1 = 5\frac{1}{2}$ mag : - 1 ^s .2 :
A	Groom. 2320, U. C.	5.6	5 58.5	+ 0.132	+ 68 9 10	- 9.50	+ 45'' .8 dec.
A	δ Ophiuchi . . .	3	7 32.1	+ 3.138	- 3 21 26	- 9.58	
	σ Coronæ . . .	6	9 48.7	+ 2.242	+ 34 11 25	- 9.32	
	ε Ophiuchi . . .	3.4	11 27.7	+ 3.169	- 4 22 25	- 9.15	
	σ Scorpii . . .	3.4	13 17.3	+ 3.633	- 25 16 41	- 9.01	
	19 Urs. Min. , U. C.	6	14 31.3	- 1.844	+ 76 12 15	- 8.89	
A	τ Herculis . . .	3.4	15 49.9	+ 1.798	+ 46 37 27	- 8.78	
	γ Herculis . . .	3.4	16 11.2	+ 2.643	+ 19 27 37	- 8.73	
	ρ Ophiuchi . . .	5	17 47.5	+ 3.589	- 23 8 39	- 8.66	Double; same R. A. :
	ω Herculis . . .	5	19 24.8	+ 2.754	+ 14 20 4	- 8.56	3'' diff. dec.
A	α Scorpii . . .	1.2	21 26.4	+ 3.668	- 26 8 27	- 8.39	
A	η Draconis . . .	2.3	22 14.2	+ 0.804	+ 61 48 32	- 8.23	Double; 2d = + 0 ^s .4.
	ϕ Ophiuchi . . .	4.5	23 42.1	+ 3.429	- 16 19 36	- 8.24	
	λ Ophiuchi . . .	3.4	24 21.5	+ 3.023	+ 2 16 14	- 8.20	
	β Herculis . . .	2.3	24 38.0	+ 2.576	+ 21 46 30	- 8.14	
	n Herculis . . .	5.6	26 12.0	+ 2.950	+ 5 48 00	- 8.05	
	τ Scorpii . . .	3.4	27 47.6	+ 3.723	- 27 56 37	- 7.90	
A	A Draco , U. C. .	5	28 15.0	- 0.143	+ 69 2 58	- 7.78	
A	ζ Ophiuchi . . .	2.3	30 0.1	+ 3.297	- 10 18 4	- 7.63	
	B. A. C. 5568 . .	6	32 23.8	+ 1.745	+ 46 52 39	- 7.51	Groom. 2362.
	24 Scorpii . . .	5	34 3.4	+ 3.463	- 17 29 16	- 7.32	
A	α Triang. Aust. .	2	34 55.6	+ 6.282	- 68 47 4	- 7.35	
E	ζ Herculis . . .	2.3	36 23.2	+ 2.262	+ 31 50 24	- 6.71	
A	η Herculis . . .	3	16 38 26.4	+ 2.054	+ 39 10 17	- 7.05	
A	9 Camel. , L. C. .	4	4 41 8.4	+ 5.912	+ 113 52 56	- 6.77	
C	ε Scorpii . . .	3	16 41 44.8	+ 3.872	- 34 3 18	- 7.08	
	μ^1 Scorpii . . .	3	42 4.1	+ 4.049	- 37 49 20	- 6.79	
	20 Ophiuchi . . .	5	42 38.6	+ 3.310	- 10 33 2	- 6.72	
	Groom. 2377 . .	5	42 50.0	+ 1.127	+ 57 0 53	- 6.62	
	k Herculis . . .	5.6	44 0.7	+ 2.911	+ 7 28 27	- 6.53	
	ζ^2 Scorpii . . .	3	16 45 26.3	+ 4.200	- 42 8 13	- 6.84	
	Rad. 1311, L. C. .	6.7	4 46 2.2	+ 20.164	+ 94 13 9	- 6.53	

Auth.	Star.	Mag.	R. A. 1870.0	Annual var.	Dec. 1870.0	Annual var.	Remarks.
			h. m. s.	s.	° ' "	"	
	51 Hercules . . .	5.6	16 46 21.9	+ 2.481	+ 24 52 36	- 6.39	
	ι Ophiuchi . . .	4	47 51.5	+ 2.836	+ 10 22 53	- 6.28	
	54 Hercules . . .	5.6	49 39.2	+ 2.632	+ 18 38 36	- 6.03	
A	κ Ophiuchi . . .	3.4	51 30.9	+ 2.835	+ 9 34 46	- 5.88	
	B. A. C. 5718 . .	6	53 28.4	+ 3.867	- 31 56 53	- 5.93	
C	ε Hercules . . .	3.4	55 19.0	+ 2.292	+ 31 7 10	- 5.56	
A	δ Hercules . . .	5	56 48.3	+ 2.209	+ 33 45 30	- 5.43	
	60 Hercules . . .	5	59 21.0	+ 2.783	+ 12 55 18	- 5.25	
A	ε Urs. Min. , U. C.	4.5	59 22.8	- 6.392	+ 82 14 49	- 5.24	
	η Ophiuchi . . .	2.3	17 2 55.4	+ 3.433	- 15 33 40	- 4.85	
	B. A. C. 5795 . .	6	5 6.0	+ 1.473	+ 51 0 31	- 4.74	
	B. A. C. 5804 . .	6	6 47.3	+ 3.925	- 33 23 44	- 4.76	
	ζ Draconis . . .	3	8 24.8	+ 0.163	+ 65 52 29	- 4.47	
A	α ¹ Hercules . . .	Var.	8 43.2	+ 2.733	+ 14 32 27	- 4.40	Mag. 3 to 4: α ² = 8th mag.; + 0 ^s .3.
	δ Hercules . . .	3	9 41.6	+ 2.459	+ 24 59 39	- 4.55	
	π Hercules . . .	3.4	10 31.2	+ 2.088	+ 36 57 25	- 4.29	
	υ Hercules . . .	4	12 31.4	+ 2.212	+ 33 14 30	- 4.14	
E	θ Ophiuchi . . .	3.4	14 1.7	+ 3.681	- 24 52 1	- 4.04	
	γ Aræ	3	14 27.6	+ 5.029	- 56 15 4	- 4.03	
	β Aræ	3	14 29.9	+ 4.968	- 55 24 13	- 4.12	
	ω Hercules . . .	6	15 47.7	+ 2.241	+ 32 38 31	- 4.90	
A	b Ophiuchi . . .	5	18 25.9	+ 3.659	- 24 3 8	- 3.70	
	σ Ophiuchi . . .	4.5	17 20 3.9	+ 2.975	+ 4 15 20	- 3.48	
	64 Camel. , L. C. .	6	5 20 36.2	+ 18.460	+ 94 52 42	- 3.57	Mag. 6½ D.
	α Aræ	3	17 21 47.9	+ 4.626	- 49 46 20	- 3.49	
	ν Scorpïi	3.4	17 21 55.8	+ 4.072	- 37 11 22	- 3.45	
A	Groom. 966, L. C.	6.7	5 22 21.7	+ 7.986	+ 105 2 55	- 3.28	
	λ Scorpïi	3	17 24 47.1	+ 4.073	- 37 0 16	- 3.05	
	λ Hercules . . .	4.5	25 29.0	+ 2.420	+ 26 12 37	- 2.99	
A	β Draconis . . .	2.3	27 29.7	+ 1.351	+ 52 23 54	- 2.84	
	θ Scorpïi	3	27 58.8	+ 4.302	- 42 54 46	- 3.00	
A	α Ophiuchi . . .	2	28 54.0	+ 2.782	+ 12 39 25	- 2.93	
	μ Ophiuchi . . .	4.5	30 46.8	+ 3.261	- 8 2 14	- 2.57	
	κ Scorpïi	3	33 30.0	+ 4.147	- 38 57 37	- 2.46	
	ο Serpents . . .	4.5	34 6.5	+ 3.369	- 12 48 11	- 2.28	
	58 Ophiuchi . . .	5	35 38.5	+ 3.589	- 21 37 2	- 2.11	
C	β Ophiuchi . . .	3	17 37 3.0	+ 2.959	+ 4 37 26	- 1.88	

Auth.	Star.	Mag.	R. A. 1870.0	Annual var.	Dec. 1870.0	Annual var.	Remarks.
			h. m. s.	s.	° ' "	"	
A	ω Draco , U. C. . .	5	17 37 42.9	- 0.356	+ 68 49 2	- 1.65	
	3 Sagittarii . . .	5	39 22.6	+ 3.763	- 27 46 42	- 1.85	
A	μ Herculis . . .	3.4	41 22.3	+ 2.345	+ 27 47 55	- 2.35	
	87 Herculis . . .	6	43 33.0	+ 2.431	+ 25 40 7	- 1.25	
A	ψ^1 Draco , (pr.) U. C.	4.5	44 15.3	- 1.083	+ 72 12 43	- 1.64	
	30 Draconis . . .	5.6	45 57.9	+ 1.429	+ 50 48 47	- 1.05	
	B. A. C. 6062 . . .	5.6	47 50.2	+ 1.959	+ 40 0 42	- 1.11	Groom. 2473, 64, pr.
	89 Herculis . . .	5.6	50 10.6	+ 2.419	+ 26 4 21	- 0.86	cedes 50'; has 5' 43"
	ν Ophiuchi . . .	3.4	51 52.2	+ 3.304	- 9 45 18	- 0.86	greater dec. B.A.C. 6068, 53, follows
	γ Draconis . . .	2.3	53 35.4	+ 1.394	+ 51 30 18	- 0.60	13'.4; has 1' 13"
	68 Ophiuchi . . .	5.6	55 9.4	+ 3.042	+ 1 18 42	- 0.50	greater dec.
A	γ^2 Sagittarii . . .	3.4	57 27.5	+ 3.852	- 30 25 22	- 0.44	
	70 ¹ Ophiuchi . . .	4.5	58 53.0	+ 3.030	+ 2 31 57	- 1.21	Double; $2d = + 0^s.3$;
	B. A. C. 6127 . . .	5	59 51.0	+ 3.796	- 28 28 8	- 0.15	less dec.
	ϵ^2 Ophiuchi, (72) . .	3.4	18 1 11.2	+ 2.842	+ 9 32 50	+ 0.14	
	o Herculis . . .	4	18 2 28.4	+ 2.341	+ 28 44 48	+ 0.22	
A	22 Camel , L. C. . .	4.5	6 4 30.8	+ 6.619	+ 110 38 22	+ 0.50	
A	μ^1 Sagittarii . . .	4	18 5 59.3	+ 3.586	- 21 5 24	+ 0.53	
A	σ Octantis . . .	6	6 18.8	+ 109.210	- 89 16 43	+ 0.55	
	A Herculis 104 . . .	5	7 0.7	+ 2.262	+ 31 22 29	+ 0.69	
	η Sagittarii . . .	4	8 49.8	+ 4.056	- 36 47 51	+ 0.48	
	B. A. C. 6194 . . .	5.6	9 55.0	+ 3.760	- 27 5 13	+ 0.78	
	B. A. C. 6203 . . .	6	11 36.1	+ 1.862	+ 42 7 0	+ 0.99	Groom. 2533.
	δ Sagittarii . . .	3.4	12 40.2	+ 3.838	- 29 52 50	+ 1.04	
A	δ Urs. Min. , U. C.	4.5	14 16.4	- 19.400	+ 86 36 21	+ 1.29	
A	η Serpentis . . .	3	14 34.9	+ 3.099	- 2 55 48	+ 0.60	
	ϵ Sagittarii . . .	2.3	15 32.6	+ 3.983	- 34 26 34	+ 1.19	
	B. A. C. 6241 . . .	5.6	16 43.5	+ 2.499	+ 23 13 16	+ 1.52	
	B. A. C. 6255 . . .	5	18 13.2	+ 1.536	+ 49 3 24	+ 1.58	
	λ Sagittarii . . .	3.4	19 56.9	+ 3.702	- 25 29 28	+ 1.52	
	Bradley 2313 . . .	5	21 47.2	+ 3.420	- 14 38 46	+ 1.85	
	b Draconis . . .	5	22 0.8	+ 0.872	+ 58 43 33	+ 1.97	
	χ Draco , U. C. . .	3.4	23 23.9	- 1.075	+ 72 40 33	+ 1.70	
	B. A. C. 6300 . . .	6	24 12.8	+ 2.500	+ 23 46 54	+ 2.05	
	B. A. C. 6318 . . .	6	25 54.8	+ 0.820	+ 59 27 46	+ 2.24	Groom. 259c.
A	τ Aquilæ . . .	4.5	28 7.9	+ 3.264	- 8 19 56	+ 2.15	
	d Draconis . . .	5.6	18 30 20.2	+ 1.042	+ 56 56 50	+ 2.63	

Auth.	Star.	Mag.	R. A. 1870.0	Annual var.	Dec. 1870.0	Annual var.	Remarks.
			h. m. s.	s.	° ' "	"	
A	α Lyrae	1	18 32 32.2	+ 2.032	+ 38 39 51	+ 3.12	
	2 Aquilæ	5	35 9.2	+ 3.282	- 9 10 29	+ 3.04	
	ϕ Sagittarii . . .	3.4	18 37 32.0	+ 3.752	- 27 7 18	+ 3.18	
A	51 Cephei , L. C. .	5	6 38 43.0	+ 30.336	+ 92 45 38	+ 3.42	
	110 Herculis . . .	5	18 40 4.0	+ 2.585	+ 20 25 42	+ 3.12	
	B. A. C. 6404 . . .	6	42 3.7	+ 1.916	+ 41 18 12	+ 3.59	Groom. 2664.
	B. A. C. 6419 . . .	5	43 48.8	+ 1.339	+ 52 50 45	+ 3.78	
A	β Lyrae	Var.	45 16.8	+ 2.214	+ 33 12 48	+ 3.92	Mag. $3\frac{1}{2}$ to $4\frac{1}{2}$: $\beta^2 = 8^{\text{th}}$
A	σ Sagittarii . . .	2.3	47 12.2	+ 3.724	- 26 27 18	+ 4.04	mag.: + 1.9: - 39"
	δ^1 Lyrae	5.6	49 11.2	+ 2.096	+ 36 48 39	+ 4.27	
A	50 Draco , U. C. .	6	50 33.1	- 1.897	+ 75 16 44	+ 4.45	
	13 Lyrae	Var.	51 22.8	+ 1.822	+ 43 46 33	+ 4.44	Mag. 4 to 5.
	ε Aquilæ	3.4	53 43.3	+ 2.718	+ 14 53 37	+ 4.54	
	γ Lyrae	$3\frac{1}{2}$	54 4.8	+ 2.244	+ 32 39 47	+ 4.68	
C	ζ Sagittarii . . .	3.4	54 20.3	+ 3.820	- 30 3 48	+ 4.66	
	g Aquilæ	6	56 3.7	+ 3.164	- 3 53 4	+ 4.78	
	Rad. 4208, U. C. .	6.7	57 2.7	- 18.211	+ 86 32 32	+ 5.20	
	16 Lyrae	5.6	57 46.0	+ 1.712	+ 46 45 6	+ 4.91	
	λ Aquilæ	3.4	59 21.0	+ 3.187	- 5 4 30	+ 5.03	
A	ζ Aquilæ	3	59 26.0	+ 2.755	+ 13 40 21	+ 5.06	
	π Sagittarii . . .	4.5	19 2 1.8	+ 3.570	- 21 13 38	+ 5.37	
	ι Lyrae	5.6	19 2 39.9	+ 2.138	+ 35 53 52	+ 5.37	
	25 Camel , L. C. .	5	7 3 34.8	+ 13.079	+ 97 20 58	+ 6.22	
	B. A. C. 6561 . . .	6	19 4 41.8	+ 3.581	- 21 52 16	+ 5.50	
	19 Lyrae	6	6 46.9	+ 2.299	+ 31 4 6	+ 5.71	
	ψ Sagittarii . . .	5.6	7 34.0	+ 3.683	- 25 28 41	+ 5.80	
A	d Sagittarii . . .	5	10 1.6	+ 3.513	- 19 10 51	+ 6.07	
E	ω Aquilæ	5.6	11 42.8	+ 2.814	+ 11 21 46	+ 6.19	
	θ Lyrae	4.5	11 51.3	+ 2.077	+ 37 54 11	+ 6.10	
A	δ Draco , U. C. .	3	12 31.1	+ 0.034	+ 67 25 58	+ 6.31	
	d Aquilæ	6	13 53.3	+ 3.099	- 1 7 53	+ 6.28	
	κ Cygni	3.4	14 5.8	+ 1.378	+ 53 7 45	+ 6.45	
	B. A. C. 6626 . . .	6	19 15 9.8	+ 1.598	+ 49 19 46	+ 6.43	Groom. 2815.
A	P. VII , 67, L. C.	6	7 17 19.9	+ 6.315	+ 111 16 25	+ 6.71	
	χ^1 Sagittarii . . .	5.6	19 17 21.8	+ 3.654	- 24 45 30	+ 6.59	
A	τ Draco , U. C. .	5	18 2.3	- 1.106	+ 73 6 47	+ 6.80	
A	δ Aquilæ	3.4	19 18 56.6	+ 3.025	+ 2 51 29	+ 6.87	

Auth.	Star.	Mag.	R. A. 1870.0		Annual var.	Dec. 1870.0	Annual var.	Remarks.
			h. m. s.	s.		° ' "	"	
	4 Cygni	6	19 21 28.3	+ 2.159	+ 36 3 31	+ 6.92		
	4 Urs. Min. , L. C.	6.7	7 22 53.9	+ 76.471	+ 90 59 45	+ 6.59		
	α Vulpeculæ . . .	4.5	19 23 17.8	+ 2.494	+ 24 24 11	+ 7.02		
C	β^1 Cygni	3	25 28.8	+ 2.420	+ 27 41 18	+ 7.25		$\beta^2 = 7^{\text{th}}$ mag. : + $2^{\circ}.35$ — $16''.6$ dec. $\beta^1 =$ brimstone yellow $\beta^2 =$ pale blue.
	μ Aquilæ	4.5	27 44.3	+ 2.931	+ 7 6 18	+ 7.33		
	h^1 Sagittarii . . .	6	28 7.9	+ 3.640	— 25 0 4	+ 7.49		
E	h^2 Sagittarii . . .	4.5	28 47.5	+ 3.662	— 25 10 4	+ 7.57		
A	κ Aquilæ	5	29 53.8	+ 3.230	— 7 18 50	+ 7.69		
	ϵ Sagittæ	6	31 24.3	+ 2.718	+ 16 10 22	+ 7.73		
	θ Cygni	4.5	32 57.3	+ 1.610	+ 49 55 14	+ 8.05		
	B. A. C. 6737 . . .	5.6	33 24.2	+ 0.648	+ 63 8 43	+ 7.93		Groom, 2899.
	β Sagittæ	5	35 12.6	+ 2.697	+ 17 10 38	+ 8.03		
	14 Cygni	5.6	35 12.7	+ 1.954	+ 42 31 10	+ 8.13		Groom, 2905.
	B. A. C. 6755 . . .	5.6	37 43.3	+ 3.837	— 32 13 10	+ 8.18		
A	γ Aquilæ	3.	40 4.7	+ 2.853	+ 10 17 55	+ 8.49		
	δ Cygni	3	40 54.8	+ 1.877	+ 44 48 52	+ 8.53		
	δ Sagittæ	4	41 35.6	+ 2.684	+ 18 12 56	+ 8.62		
	ζ Sagittæ	5	43 12.5	+ 2.669	+ 18 49 4	+ 8.79		
A	α Aquilæ	1.2	19 44 26.4	+ 2.928	+ 8 31 37	+ 9.21		
	Groom , 1374, L. C.	5.6	7 44 34.9	+ 7.340	+ 105 44 23	+ 8.79		
	156 Camel , L. C.	6	7 45 28.0	+ 15.476	+ 95 34 33	+ 8.66		
	η Aquilæ	Var.	19 45 51.0	+ 3.057	+ 0 40 27	+ 8.88		Mag. $3\frac{1}{2}$ to $4\frac{1}{2}$.
	ι Sagittarii . . .	4.5	46 18.4	+ 4.176	— 42 12 32	+ 8.87		
A	ϵ Draco , U. C. . .	4	48 36.0	— 0.171	+ 69 56 11	+ 9.15		Double ; north star pre-
A	β Aquilæ	4	48 55.6	+ 2.947	+ 6 5 3	+ 8.71		cedes $0^{\circ}.02$: $2''$, greater dec.
	g Sagittarii . . .	5.6	50 34.5	+ 3.408	— 15 50 3	+ 9.26		
	γ Sagittæ	4.5	52 58.6	+ 2.669	+ 19 8 27	+ 9.53		
A	λ Urs. Min. , U. C.	6.7	54 17.3	— 59.162	+ 88 55 4	+ 9.59		
	c Sagittarii . . .	4.5	54 39.6	+ 3.698	— 28 4 8	+ 9.61		
	B. A. C. 6882 . . .	5	56 14.3	+ 2.544	+ 24 26 28	+ 9.77		
A	τ Aquilæ	5.6	19 57 47.3	+ 2.933	+ 6 54 47	+ 9.88		
A	3 Urs. Maj. , L. C.	6	7 59 50.6	+ 6.072	+ 111 8 50	+ 10.03		
	e Draconis	5.6	20 0 5.7	+ 0.649	+ 64 27 26	+ 10.01		
	B. A. C. 6924 . . .	6	2 23.9	+ 1.367	+ 55 57 56	+ 10.20		
C	θ Aquilæ	3.4	4 35.8	+ 3.098	— 1 12 18	+ 10.36		
	20 Vulpeculæ . . .	6	6 33.6	+ 2.515	+ 26 5 33	+ 10.47		
	ρ Aquilæ	5	20 8 15.6	+ 2.774	+ 14 48 13	+ 10.70		

Auth.	Star.	Mag.	R. A. 1870.0	Annual var.	Dec. 1870.0	Annual var.	Remarks.
			h. m. s.	s.	° ' "	"	
A	α^2 Capricorni . . .	3.4	20 10 50.4	+ 3.333	- 12 56 44	+ 10.85	α^1 precedes $24^{\text{h}}.03$.
A	κ Cephei , U. C. . .	4.5	13 13.1	- 1.891	+ 77 19 6	+ 11.01	Double; $2d = + 2^{\text{h}}.17$: - 4'' 5 dec.
	β Capricorni . . .	3.4	13 42.3	+ 3.375	- 15 11 23	+ 11.06	
A	α Pavonis . . .	2	15 21.2	+ 4.796	- 57 8 54	+ 11.14	
	B. A. C. 7008 . . .	6	15 32.6	+ 2.173	+ 38 59 39	+ 11.17	Groom. 3140.
C	γ Cygni . . .	3	17 33.8	+ 2.153	+ 39 50 31	+ 11.29	
A	π Capricorni . . .	5	19 52.7	+ 3.442	- 18 38 8	+ 11.46	
E	ρ Capricorni, (pr.) . .	5	21 26.5	+ 3.430	- 18 14 28	+ 11.63	$2d = 7^{\text{th}}$ mag. : + $8^{\text{h}}.37$: + 3' 30'' .5 dec.
	41 Cygni . . .	4.5	24 5.0	+ 2.451	+ 29 56 10	+ 11.79	
A	ϵ Delphini . . .	4	27 0.1	+ 2.866	+ 10 51 48	+ 11.98	
	θ Cephei . . .	4.5	27 23.7	+ 1.016	+ 62 33 27	+ 12.01	
	α Indi . . .	3	28 25.1	+ 4.260	- 47 44 32	+ 12.11	
	ζ Delphini . . .	4.5	29 13.8	+ 2.803	+ 14 13 39	+ 12.16	
A	Groom. 3241, U. C. . .	6.7	30 32.9	- 0.207	+ 72 5 28	+ 12.22	
	β Delphini . . .	4	31 27.0	+ 2.813	+ 14 8 40	+ 12.26	
	β Pavonis . . .	3	33 12.9	+ 5.512	- 66 40 3	+ 12.35	
C	α Delphini . . .	3.4	33 36.0	+ 2.789	+ 15 27 19	+ 12.48	
	10 Delphini . . .	6	35 11.1	+ 2.812	+ 14 7 21	+ 12.51	
	75 Draco , U. C. . .	5.6	36 16.0	- 3.435	+ 80 58 33	+ 12.65	Brad. 2701 precedes 1 ^m 29 ^s : 46'' greater dec.
A	α Cygni . . .	1.2	37 0.0	+ 2.044	+ 44 49 1	+ 12.68	
	30 Vulpeculæ . . .	6	39 15.0	+ 2.596	+ 24 48 30	+ 12.79	
	ϵ Aquarii . . .	3.4.5	40 38.2	+ 3.252	- 9 58 11	+ 12.91	
	ϵ Cygni . . .	2.3	40 57.1	+ 2.426	+ 33 29 3	+ 13.16	
	λ Cygni . . .	4.5	42 20.7	+ 2.335	+ 36 0 50	+ 13.09	
	η Cephei . . .	3.4	42 38.5	+ 1.231	+ 61 20 5	+ 13.93	
A	μ Aquarii . . .	4.5	45 38.4	+ 3.240	- 9 28 8	+ 13.25	
	19 Capricorni . . .	6	47 27.0	+ 3.404	- 18 24 50	+ 13.41	
E	32 Vulpeculæ . . .	5.6	49 1.2	+ 2.554	+ 27 33 52	+ 13.49	
A	ν Cygni . . .	4	52 19.6	+ 2.234	+ 40 40 5	+ 13.71	
A	T. Y. C. 1879, U. C. . .	5.6	53 24.0	- 2.489	+ 80 3 47	+ 13.72	
	B. A. C. 7294 . . .	6	54 20.2	+ 1.919	+ 49 57 28	+ 13.80	Groom. 3352.
	f^1 Cygni . . .	5.6	55 24.3	+ 2.032	+ 47 0 51	+ 13.87	$f = 9^{\text{th}}$ mag. : - $0^{\text{h}}.72$: + 25'' .1 dec.
	η Capricorni . . .	5.6	57 0.1	+ 3.422	- 20 22 2	+ 13.93	
	θ Capricorni . . .	4.5.6	20 58 38.2	+ 3.381	- 17 44 49	+ 14.07	
A	σ^2 Urs. Maj. , L. C. . .	5	8 58 55.2	+ 5.381	+ 112 20 28	+ 14.21	
	ξ Cygni . . .	4	21 0 12.3	+ 2.179	+ 43 24 37	+ 14.20	
A	61 ¹ Cygni . . .	5.6	21 1 4.3	+ 2.687	+ 38 6 42	+ 17.49	61 ² = 6th mag. : + $1^{\text{h}}.52$: = - 6'' .3 dec.

Auth.	Star.	Mag.	R. A. 1870.0	Annual var.	Dec. 1870.0	Annual var.	Remarks.
			h. m. s.	s.	° ' "	"	
	ν Aquarii	4.5	21 2 30.6	+ 3.271	- 11 53 46	+ 14.35	
	γ Equulei	4.5	4 1.2	+ 2.924	+ 9 36 34	+ 14.24	
	3 Piscis Aust. . . .	6	5 34.5	+ 3.575	- 28 8 48	+ 14.42	
A	ζ Cygni	3	7 24.2	+ 2.550	+ 29 41 42	+ 14.57	Star of 5th mag. pre- cedes about 4 ^m . P.L. 6½ mag. precedes 4 ^m 16 ^s .
	α Equulei	4	9 19.5	+ 3.000	+ 4 42 42	+ 14.65	
	τ Cygni	4.5	9 36.2	+ 2.391	+ 37 29 30	+ 15.23	
	σ Cygni	4.5	12 18.8	+ 2.355	+ 38 51 3	+ 14.90	
	ϵ Capricorni	4.5	15 0.3	+ 3.350	- 17 23 12	+ 15.09	
A	α Cephei	2.3	15 28.5	+ 1.438	+ 62 2 6	+ 15.11	
	γ Pavonis	3	15 40.1	+ 5.069	- 65 57 11	+ 15.78	
A	π Pegasi	4.5	16 4.5	+ 2.774	+ 19 15 0	+ 15.23	
	6 Cephei	5	21 16 40.1	+ 1.257	+ 64 19 16	+ 15.17	
A	π Draco , L. C. . .	4.5	9 18 20.3	+ 9.152	+ 98 6 10	+ 15.27	
	ζ Capricorni	4	21 19 14.5	+ 3.437	- 22 58 22	+ 15.33	
	B. A. C. 7455 . . .	5.6	20 31.8	+ 2.177	+ 46 9 8	+ 15.43	
	b Capricorni	5.6	21 21 18.5	+ 3.437	- 22 22 18	+ 15.38	
A	d Urs. Maj. , L. C. .	4.5	9 22 56.4	+ 5.434	+ 109 36 3	+ 15.48	
A	β Aquarii	3	21 24 42.8	+ 3.164	- 6 8 29	+ 15.63	
	B. A. C. 7488 . . .	6	26 54.0	+ 2.024	+ 51 37 15	+ 15.72	Groom. 3485.
A	β^2 Cephei , U. C. .	3	26 58.4	+ 0.801	+ 69 59 24	+ 15.71	$\beta^1 = 8\frac{1}{2}$ mag. : - 2 ^s .5 : - 4 ^s .5 dec.
	ρ Cygni	4.5	29 5.6	+ 2.250	+ 45 1 4	+ 15.76	
A	ξ Aquarii	4.5	30 49.8	+ 3.198	- 8 26 8	+ 15.94	
	γ Capricorni	3.4	32 53.1	+ 3.334	- 17 14 53	+ 16.02	
	75 Cygni	5.6	35 5.2	+ 2.350	+ 42 41 5	+ 16.20	
	κ Capricorni	5	36 23.6	+ 3.357	- 19 27 27	+ 16.17	
A	ϵ Pegasi	2.3	37 48.1	+ 2.948	+ 9 16 49	+ 16.32	
C	δ Capricorni	3.4	39 51.7	+ 3.317	- 16 42 57	+ 16.13	
A	π Cephei , U. C. .	5	40 0.5	+ 0.907	+ 70 42 47	+ 16.50	
	π^2 Cygni	4.5	41 59.6	+ 2.209	+ 48 42 30	+ 16.50	
	14 Pegasi	5	44 5.7	+ 2.650	+ 29 34 11	+ 16.61	
	γ Gruis	3	46 3.4	+ 3.669	- 37 58 32	+ 16.58	
A	μ Capricorni	5	21 46 12.4	+ 3.280	- 14 9 43	+ 16.76	
	Groom . 1586, L. C. .	6.7	9 46 41.6	+ 5.548	+ 106 30 14	+ 16.70	
E	16 Pegasi	5.6	21 47 8.9	+ 2.726	+ 25 18 52	+ 16.77	
	B. A. C. 7636 . . .	6	48 44.3	+ 2.016	+ 55 35 54	+ 16.57	
	B. A. C. 7635 . . .	6	49 12.4	+ 3.674	- 38 21 53	+ 16.69	
	μ Cephei	5.6	21 50 31.1	+ 2.005	+ 55 59 47	+ 16.88	

Auth.	Star.	Mag.	R. A. 1870.0	Annual var.	Dec. 1870.0	Annual var.	Remarks.
			h, m. s.	s.	° ' "	"	
A	79 Draco , U. C.	6.7	21 51 15.0	+ 0.738	+ 73 5 14	+ 16.96	
	η Piscis Aust.	5.6	53 21.8	+ 3.467	- 29 4 35	+ 17.08	
	20 Pegasi	5.6	54 45.5	+ 2.928	+ 12 29 56	+ 17.11	
	α Aquarii	4.5	56 35.4	+ 3.111	- 2 46 54	+ 17.23	
A	α Aquarii	3	59 6.4	+ 3.084	- 0 57 1	+ 17.32	
A	α Gruis	2	22 0 1.7	+ 3.815	- 47 35 20	+ 17.19	
	ϵ Pegasi	4	0 57.6	+ 2.787	+ 24 42 40	+ 17.42	
	θ Pegasi	4	3 38.6	+ 3.033	+ 5 33 33	+ 17.55	
	π^2 Pegasi	4	4 12.9	+ 2.659	+ 32 32 30	+ 17.57	π^1 Pegasi = 5th mag. - 44°.5 : - 8" dec.
C	ζ Cephei	3.4	6 20.8	+ 2.074	+ 57 33 39	+ 17.62	
	B. A. C. 7765	5	22 8 18.2	+ 2.577	+ 39 4 13	+ 17.55	
A	32 Urs. Maj. , L. C.	6	10 8 33.8	+ 4.443	+ 114 14 41	+ 17.77	
	α Tucanae	3	22 9 34.5	+ 4.185	- 60 54 19	+ 17.75	
A	θ Aquarii	4.5	22 9 58.3	+ 3.171	- 8 25 46	+ 17.78	
	B. A. C. 3495, L. C.	5.6	10 10 20.6	+ 10.149	+ 95 5 25	+ 17.73	
	45 Aquarii	6	22 12 2.0	+ 3.232	- 13 57 16	+ 17.91	
	ρ Aquarii	5.6	13 21.4	+ 3.160	- 8 28 21	+ 17.97	
C	γ Aquarii	3.4	22 14 56.5	+ 3.101	- 2 2 28	+ 18.00	
	30 Camelo ., L. C.	5	10 14 59.9	+ 8.106	+ 96 46 59	+ 17.99	
	B. A. C. 7803	6	22 16 29.0	+ 2.526	+ 43 5 27	+ 18.04	Groom. 3751.
	3 Lacertae	4.5	18 27.1	+ 2.350	+ 51 34 42	+ 17.91	
A	π Aquarii	4.5	18 38.2	+ 3.065	+ 0 43 7	+ 18.13	
	B. A. C. 7824	6	19 51.4	+ 2.386	+ 50 35 44	+ 18.15	6½ mag. D.
	B. A. C. 7825	6	20 10.0	+ 2.403	+ 49 44 30	+ 18.16	Groom. 3769 : mag. 7.8 Rad.
	ζ Aquarii	3.4	22 8.1	+ 3.088	- 0 41 2	+ 18.31	As one mass, ζ^1 and ζ^2 differ 0°.1 in R. A. : 4" in dec.
	B. A. C. 7851, U. C.	5.6	23 16.4	- 3.697	+ 85 27 8	+ 18.32	
	σ Aquarii	4.5	22 23 45.9	+ 3.178	- 11 20 33	+ 18.35	
A	9 Draco ., L. C.	4.5	10 23 58.5	+ 5.317	+ 103 37 8	+ 18.35	
	β Piscis Aust.	4	22 24 6.4	+ 3.429	- 33 0 43	+ 18.25	
	α Lacertae	4	25 56.5	+ 2.459	+ 49 36 53	+ 18.37	
	ν Aquarii	5.6	27 34.7	+ 3.293	- 21 22 23	+ 18.34	
A	η Aquarii	3.4	28 40.5	+ 3.084	- 0 47 12	+ 18.43	
A	226 Cephei , U. C.	5.6	29 58.9	+ 1.084	+ 75 33 23	+ 18.52	
	κ Aquarii	5	31 1.3	+ 3.109	- 4 53 52	+ 18.47	
	ϵ Piscis Aust.	4	33 27.7	+ 3.336	- 27 43 15	+ 18.61	
	11 Lacertae	4.5	34 49.1	+ 2.619	+ 43 35 54	+ 18.70	
	β Gruis	3	22 34 53.6	+ 3.621	- 47 33 50	+ 18.58	

Auth.	Star.	Mag.	R. A. 1870.0	Annual var.	Dec. 1870.0	Annual var.	Remarks.
			h. m. s.	s.	° ' "	"	
A	ζ Pegasi	3.4	22 34 58.7	+ 2.988	+ 10 9 13	+ 18.70	Blue. D.
	η Pegasi	3	36 54.7	+ 2.806	+ 29 32 32	+ 18.72	Buff. D.
	13 Lacertæ	6	38 17.8	+ 2.662	+ 41 8 18	+ 18.80	
	λ Pegasi	4.5	40 16.3	+ 2.885	+ 22 52 56	+ 18.87	
	μ Pegasi	4	43 43.8	+ 2.887	+ 23 54 56	+ 18.91	
A	ι Cephei , U.C. . .	3.4	45 3.4	+ 2.117	+ 65 31 1	+ 18.85	
A	λ Aquarii	4	45 49.8	+ 3.132	— 8 16 13	+ 19.07	
	δ Aquarii	3	47 44.9	+ 3.188	— 16 30 40	+ 19.06	
	34 Cephei , U. C. . .	5	47 54.6	— 0.027	+ 82 27 50	+ 19 12	
	ρ Pegasi	5.6	48 41.0	+ 3.020	+ 8 7 24	+ 19.07	Light blue. D.
	δ Pisc. Aust. . . .	5.6	22 48 44.6	+ 3.345	— 33 13 58	+ 19.18	
	Groom , 1706, L.C. .	6	10 49 28.5	+ 5.069	+ 101 32 5	+ 19.12	
A	α Pisc. Aust. . . .	1.2	22 50 27.7	+ 3.330	— 30 18 37	+ 18.98	
	51 Pegasi	6	51 4.9	+ 2.945	+ 20 4 20	+ 19.13	
	52 Pegasi	6	52 41.7	+ 3.000	+ 11 2 9	+ 19.17	
	3 Piscium	6	53 57.9	+ 3.080	— 0 30 40	+ 19.24	
	ο Andromedæ . . .	3.4	55 56.7	+ 2.747	+ 41 37 41	+ 19.26	
	β Pegasi	Var.	57 28.5	+ 2.899	+ 27 22 41	+ 19.46	Mag. 2½ to 2¾.
A	α Pegasi	2	58 17.2	+ 2.984	+ 14 30 24	+ 19.31	
	55 Pegasi	5	23 0 27.4	+ 3.022	+ 8 42 27	+ 19.38	
	ε² Aquarii	4.5	2 30.8	+ 3.211	— 21 52 38	+ 19.50	
	59 Pegasi	5.6	5 10.5	+ 3.029	+ 8 0 54	+ 19.46	
	φ Aquarii	4.5	7 35.3	+ 3.110	— 6 44 57	+ 19.37	
	ψ¹ Aquarii	4.5	9 4.7	+ 3.147	— 9 47 44	+ 19.53	
E	γ Piscium	4	10 25.6	+ 3.110	+ 2 34 21	+ 19.63	
	ψ³ Aquarii	5	12 11.8	+ 3.121	— 10 19 15	+ 19.62	
A	ο Cephei , U. C. . .	5.6	13 17.9	+ 2.436	+ 67 24 1	+ 19.62	
	τ Pegasi	4.5	14 12.3	+ 2.960	+ 23 1 44	+ 19.64	
	δ Aquarii	4.5	16 8.3	+ 3.162	— 20 48 36	+ 19.61	
	υ Pegasi	4.5	18 53 6	+ 2.985	+ 22 41 19	+ 19.76	
E	κ Piscium	5.6	20 16.2	+ 3.079	+ 0 32 39	+ 19.66	
A	θ Piscium	4.5	23 21 22.4	+ 3.041	+ 5 39 56	+ 19.74	
	202 Camel , L. C. . .	6	11 22 34.9	+ 4.582	+ 98 9 28	+ 19.77	
A	λ Draco , L. C. . .	3.4	11 23 39.4	+ 3.643	+ 109 57 8	+ 19.86	
	B. A. C. 8188 . . .	5	23 24 2.5	+ 2.753	+ 57 49 56	+ 19.82	Small star, 7½ mag., pre- cedes 9 ^h .45: 2 ^h .0 less dec.
	δ⁴ Aquarii	4.5	26 28.2	+ 3.151	— 21 37 58	+ 19.88	
	39 Cephei , U. C. . .	5.6	23 27 50.0	— 0.041	+ 86 35 24	+ 19.86	

Auth.	Star.	Mag.	R. A. 1870.0	Annual var.	Dec. 1870.0	Annual var.	Remarks.
			h. m. s.	s.	° ' "	"	
	15 Andromedæ . . .	5.6	23 28 16.3	+ 2.919	+ 39 31 12	+ 19.83	
	16 Piscium	6	29 45.3	+ 3.062	+ 1 22 51	+ 19.94	
	λ Andromedæ . . .	4	31 12.6	+ 2.915	+ 45 45 14	+ 19.46	
A	ε Piscium	4.5	33 15.9	+ 3.085	+ 4 55 19	+ 19.48	
A	γ Cephei, U. C. . .	3.4	34 1.8	+ 2.401	+ 76 54 25	+ 20.07	
	λ Piscium	5	35 24.8	+ 3.058	+ 1 3 54	+ 19.77	
	78 Pegasi	5	37 27.4	+ 3.010	+ 28 38 30	+ 19.97	
	21 Aquarii	5	37 27.4	+ 3.123	- 18 59 55	+ 19.99	
	ψ Andromedæ . . .	5	39 36.0	+ 2.949	+ 45 41 55	+ 19.96	
	20 Piscium	6	41 15.6	+ 3.081	- 3 29 3	+ 19.98	
E	δ Sculptoris	4.5	42 9.0	+ 3.132	- 28 50 55	+ 19.92	
	B. A. C. 8289 . . .	6	43 53.6	+ 2.980	+ 50 54 0	+ 19.99	Groom. 4148.
	φ Pegasi	6	45 52.5	+ 3.042	+ 18 23 56	+ 20.00	
	ρ Cassiopeæ	5.6	47 53.9	+ 2.954	+ 56 46 34	+ 20.03	
A	Groom. 4163, U. C. .	7	48 32.1	+ 2.848	+ 73 41 12	+ 20.00	
	B. A. C. 8322 . . .	6	50 36.3	+ 2.993	+ 54 58 57	+ 19.98	
A	ω Piscium	4	52 38.2	+ 3.078	+ 6 8 38	+ 19.94	
	309 Cephei, U. C. . .	7	53 27.7	+ 2.535	+ 85 58 57	+ 20.05	
	30 Piscium	4.5	55 17.5	+ 3.078	- 6 44 11	+ 20.01	
C	2 Ceti	4.5	23 57 4.6	+ 3.078	- 18 3 34	+ 20.05	
	B. A. C. 4070, L. C. .	6½	11 58 9.8	+ 3.291	+ 93 41 32	+ 20.06	
	33 Piscium	5	23 58 40.8	+ 3.071	- 6 26 6	+ 20.09	
	Groom. 4233 . . .	5.6	23 59 42.5	+ 3.069	+ 63 28 22	+ 20.07	

